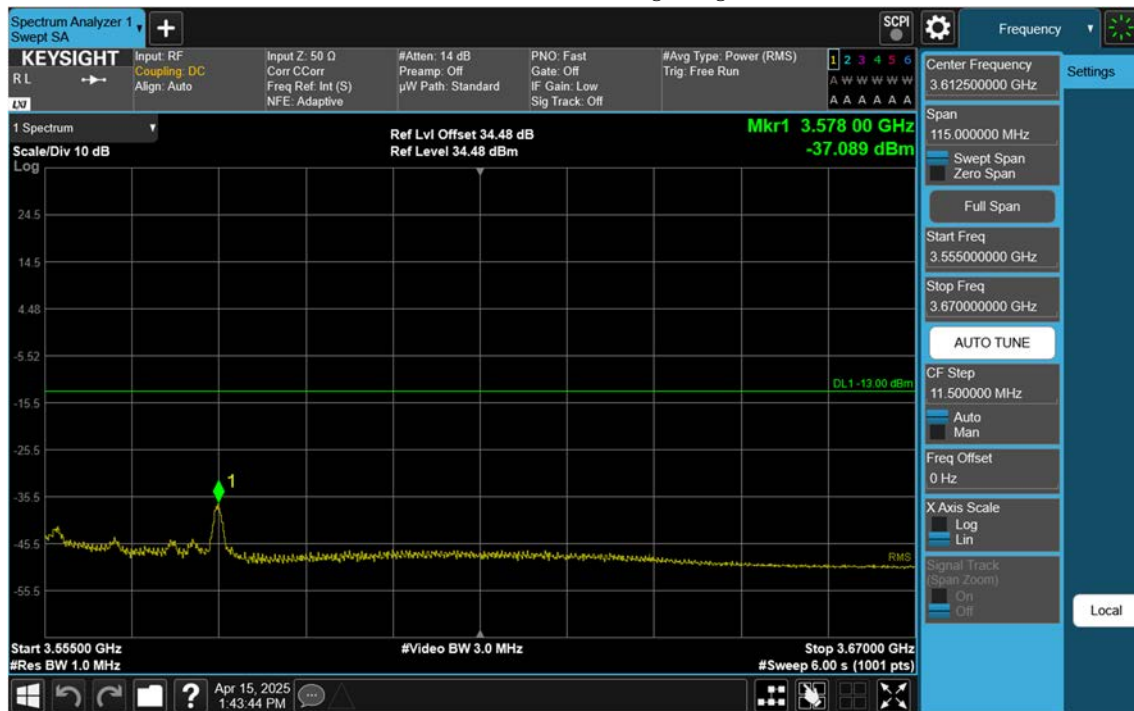
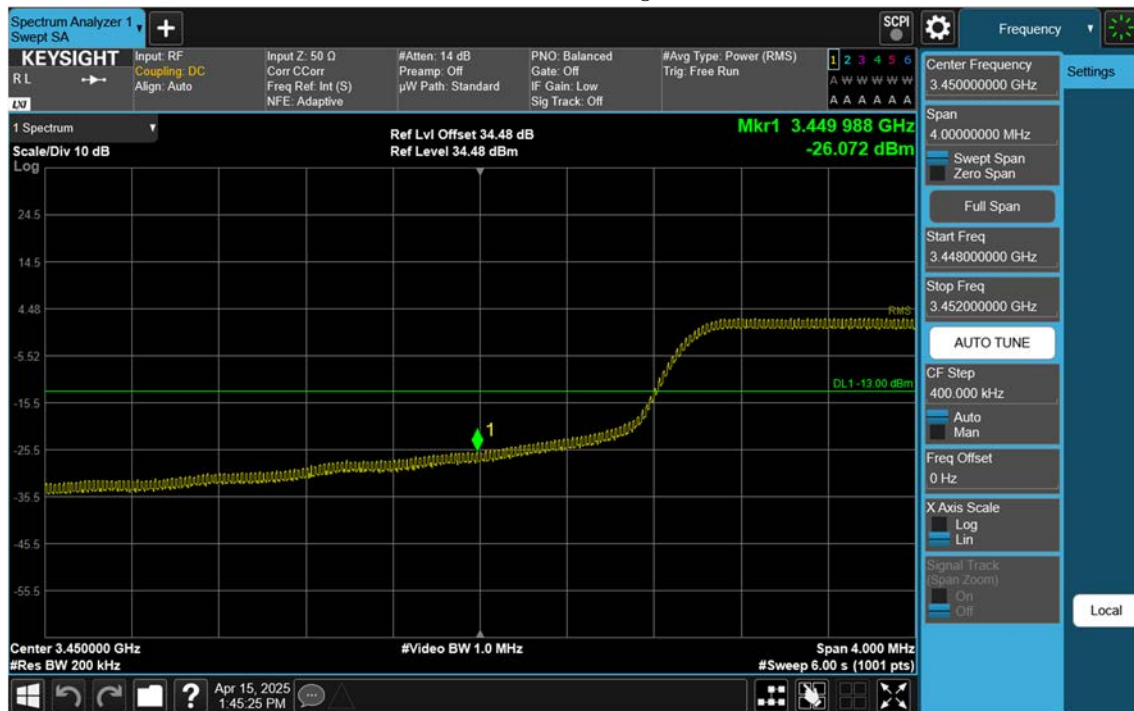


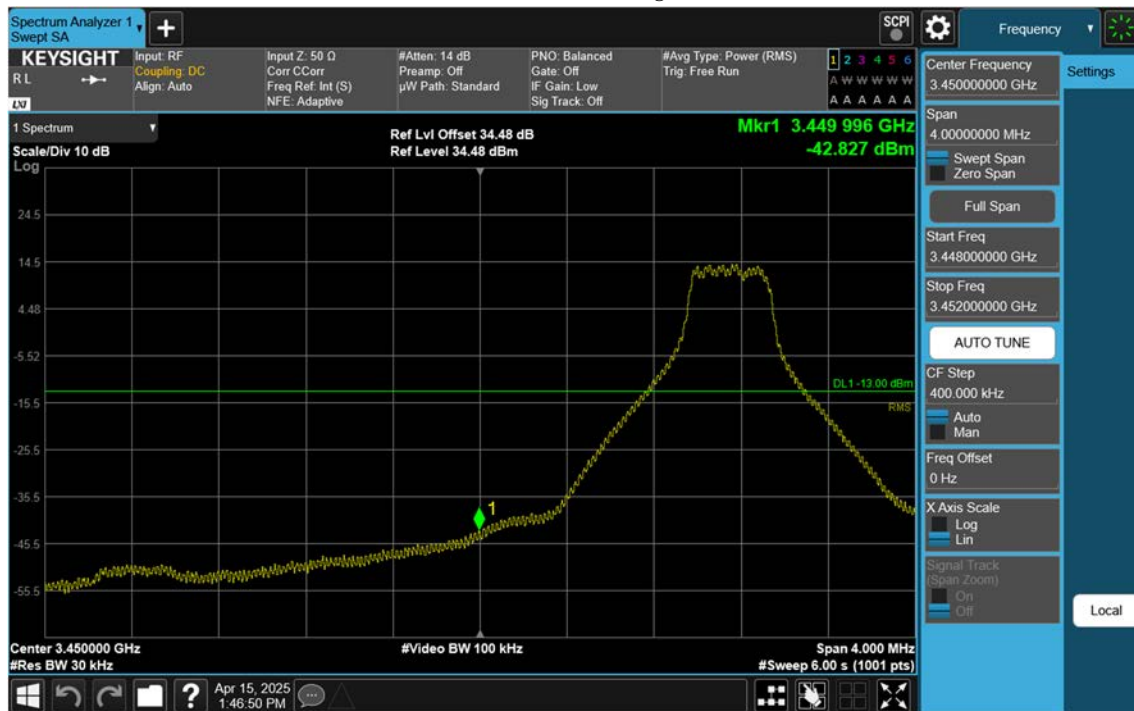
n77(3450~3550 MHz)_60 M_Band Edge_High_BPSK_1RB(3)



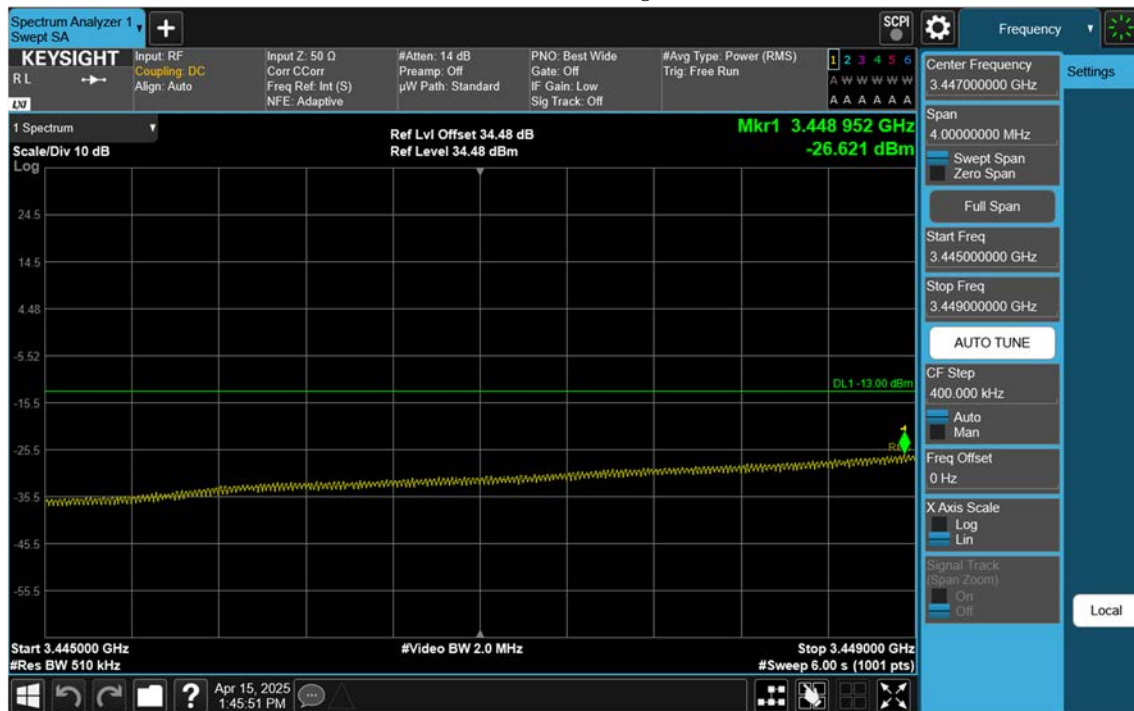
n77(3450~3550 MHz)_70 M_Band Edge_Low_BPSK_FullRB(1)



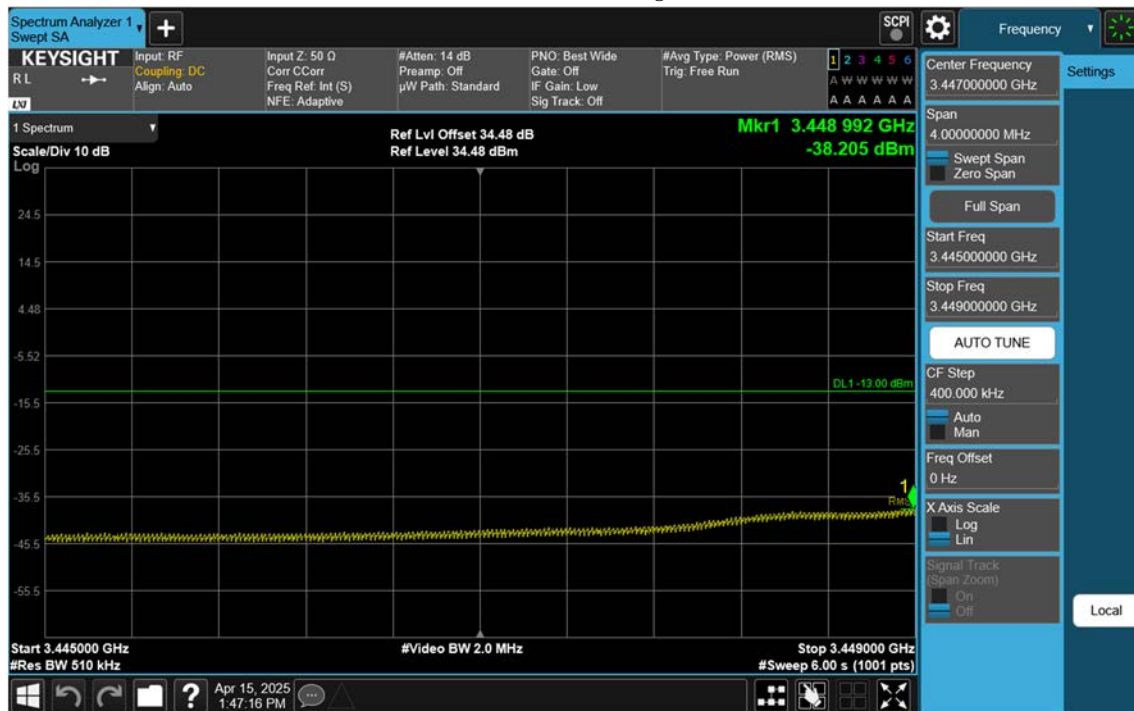
n77(3450~3550 MHz)_70 M_Band Edge_Low_BPSK_1RB(1)



n77(3450~3550 MHz)_70 M_Band Edge_Low_BPSK_FullRB(2)



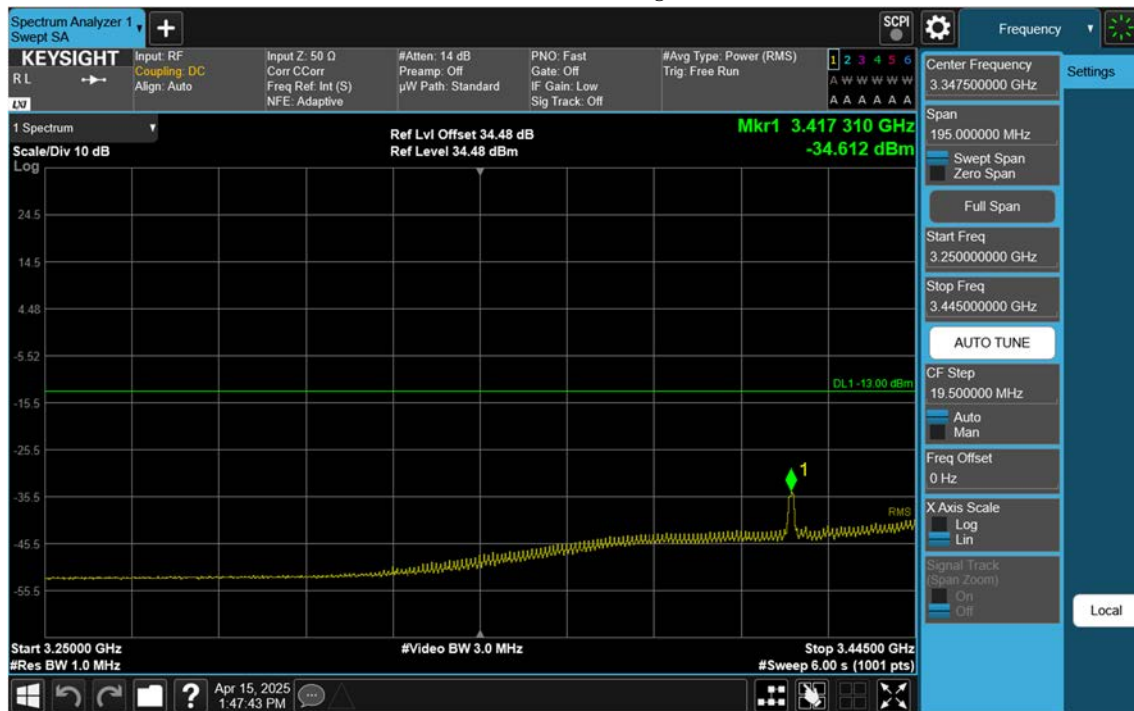
n77(3450~3550 MHz)_70 M_Band Edge_Low_BPSK_1RB(2)



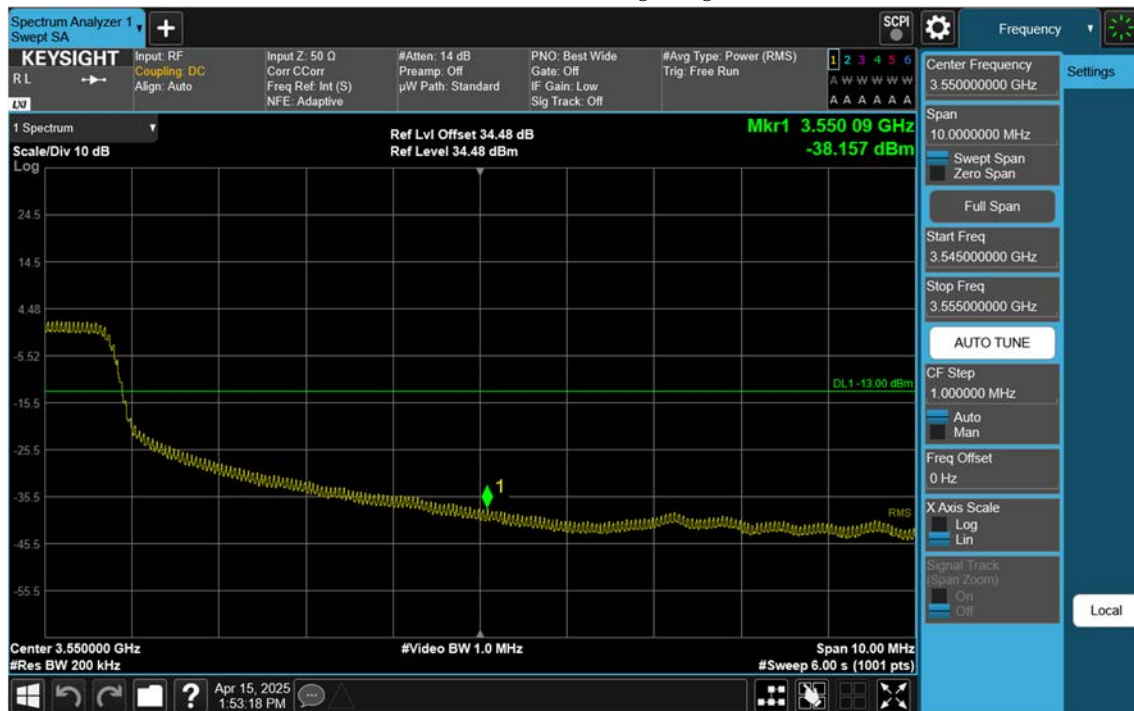
n77(3450~3550 MHz)_70 M_Band Edge_Low_BPSK_FullRB(3)



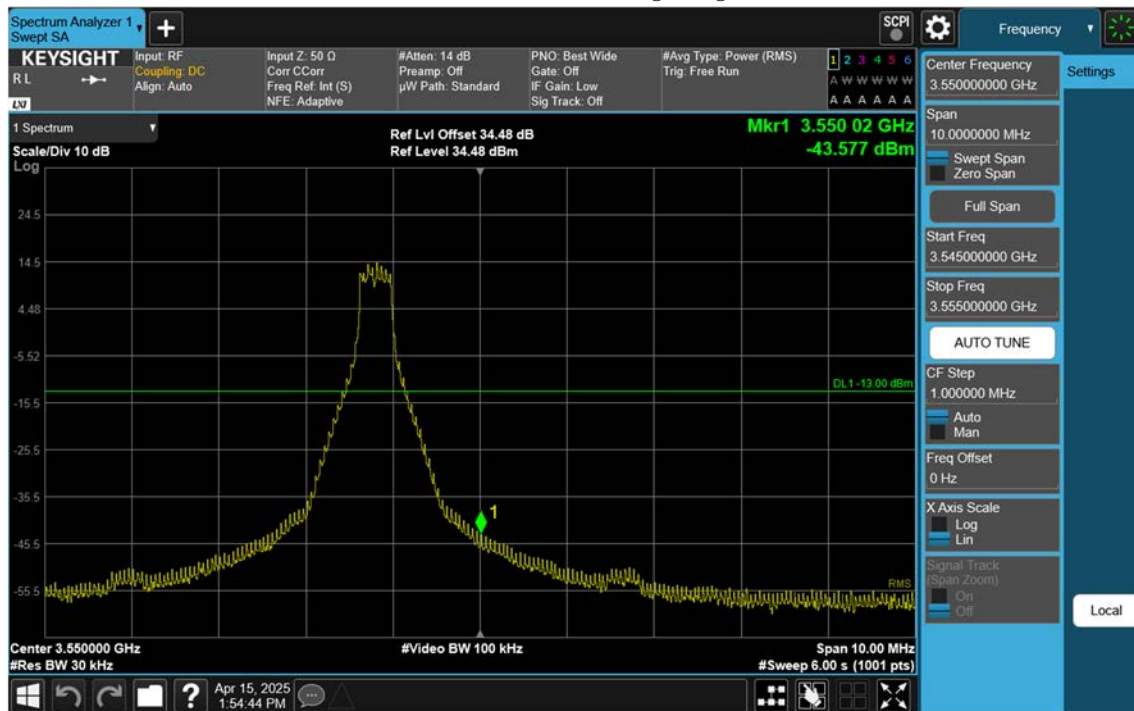
n77(3450~3550 MHz)_70 M_Band Edge_Low_BPSK_1RB(3)



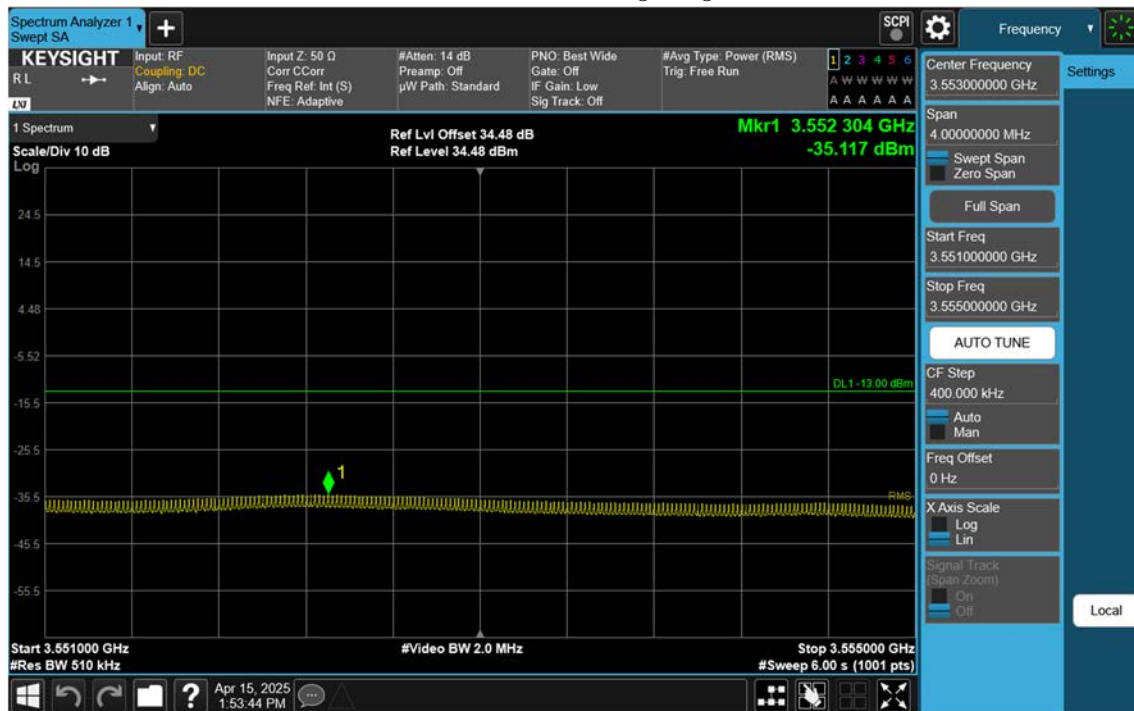
n77(3450~3550 MHz)_70 M_Band Edge_High_BPSK_FullRB(1)



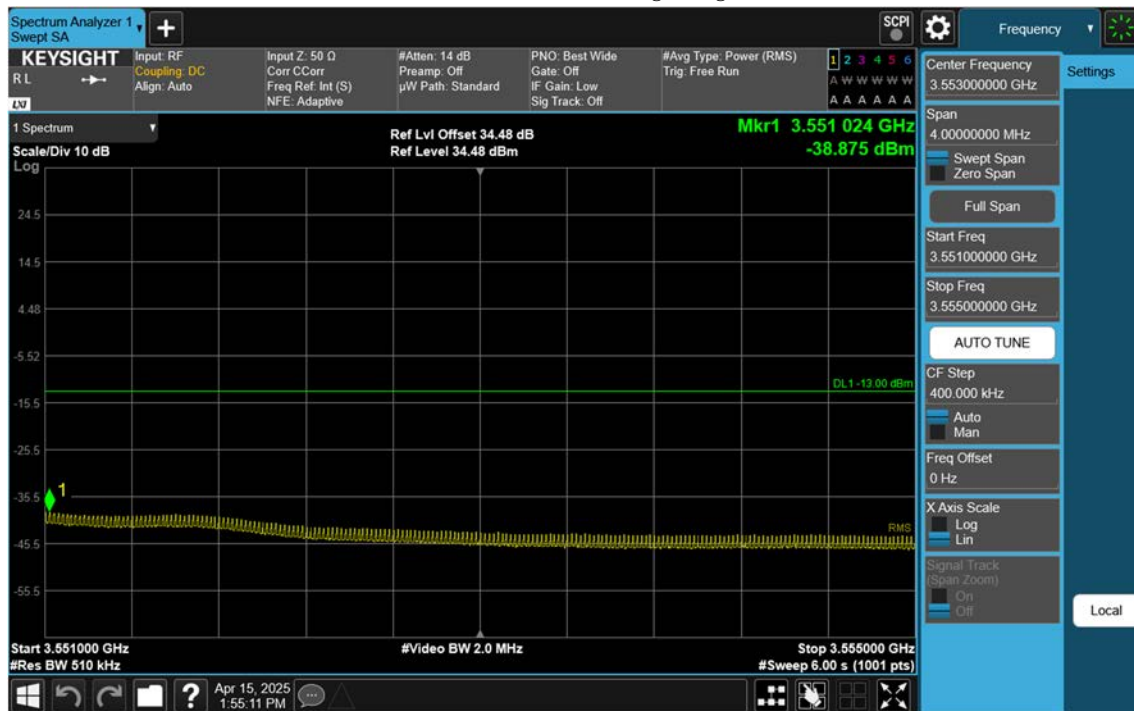
n77(3450~3550 MHz)_70 M_Band Edge_High_BPSK_1RB(1)



n77(3450~3550 MHz)_70 M_Band Edge_High_BPSK_FullRB(2)



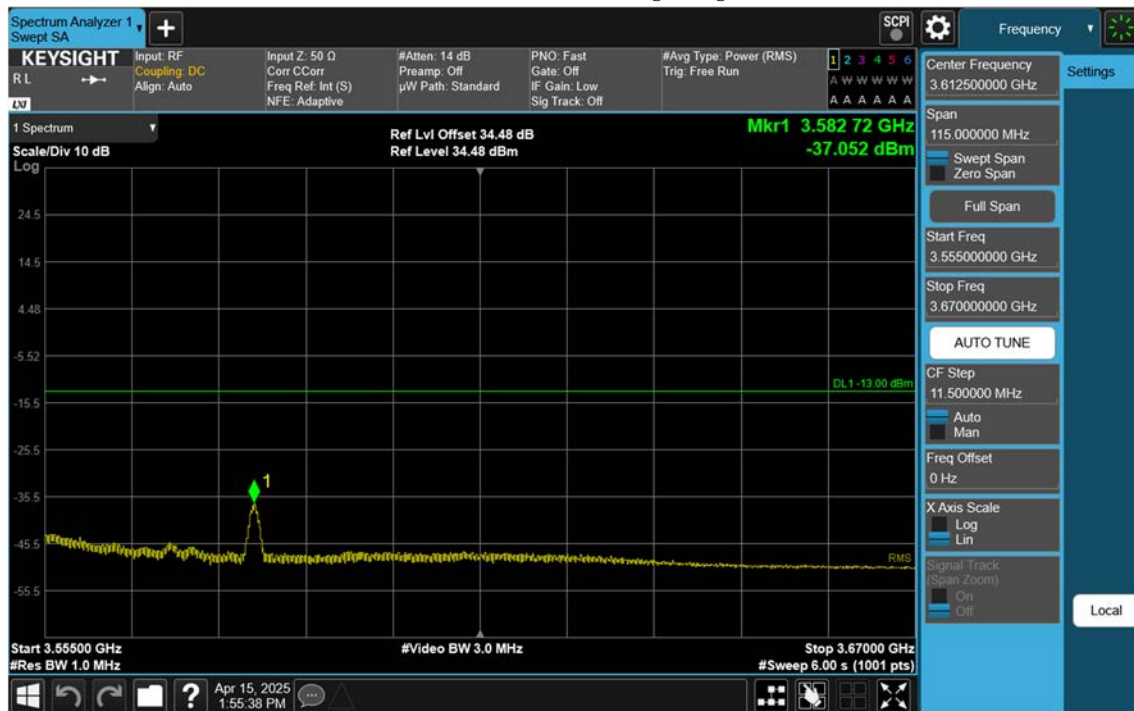
n77(3450~3550 MHz)_70 M_Band Edge_High_BPSK_1RB(2)



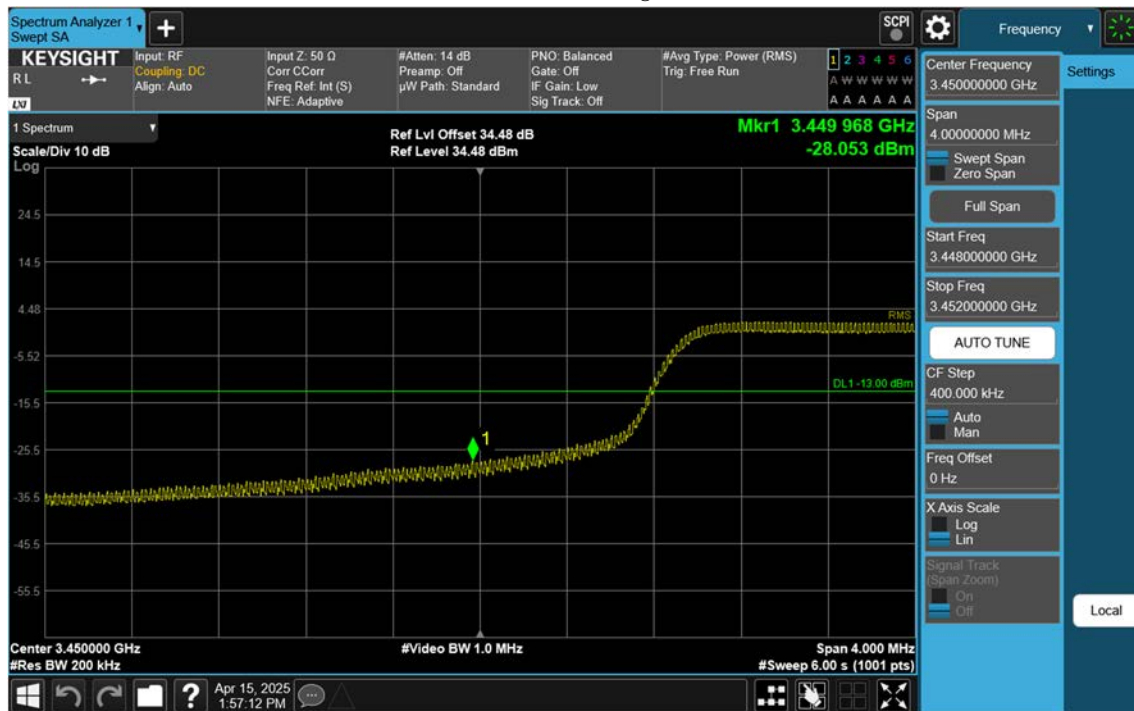
n77(3450~3550 MHz)_70 M_Band Edge_High_BPSK_FullRB(3)



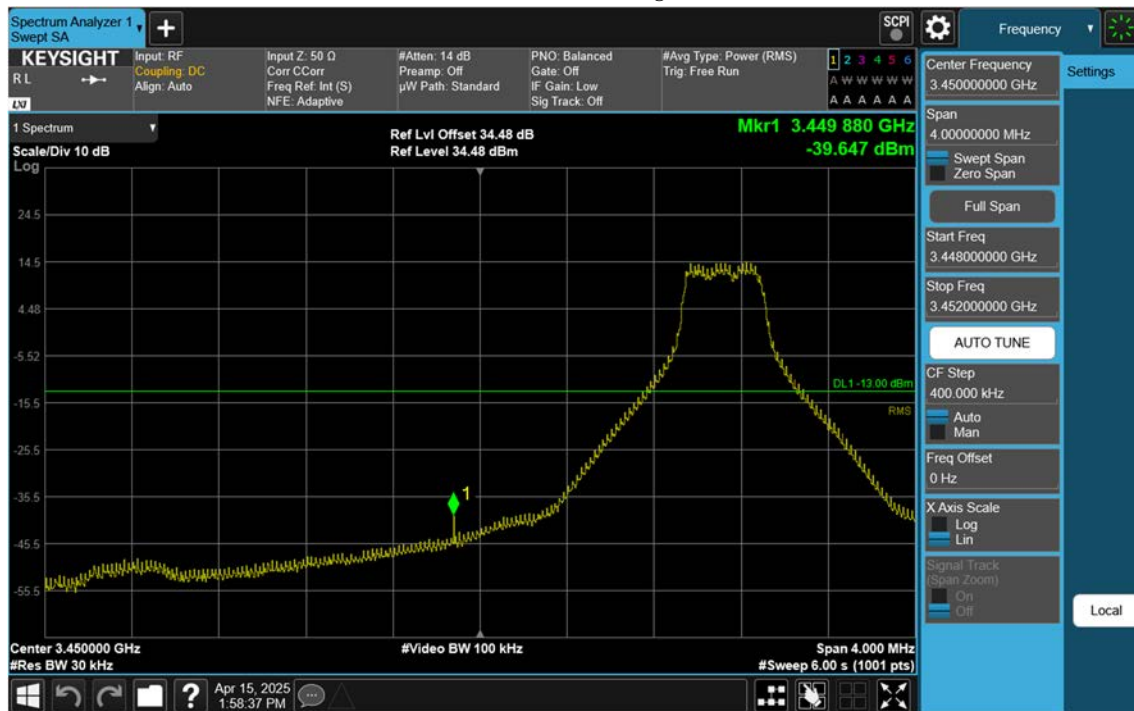
n77(3450~3550 MHz)_70 M_Band Edge_High_BPSK_1RB(3)



n77(3450~3550 MHz)_80 M_Band Edge_Low_BPSK_FullRB(1)

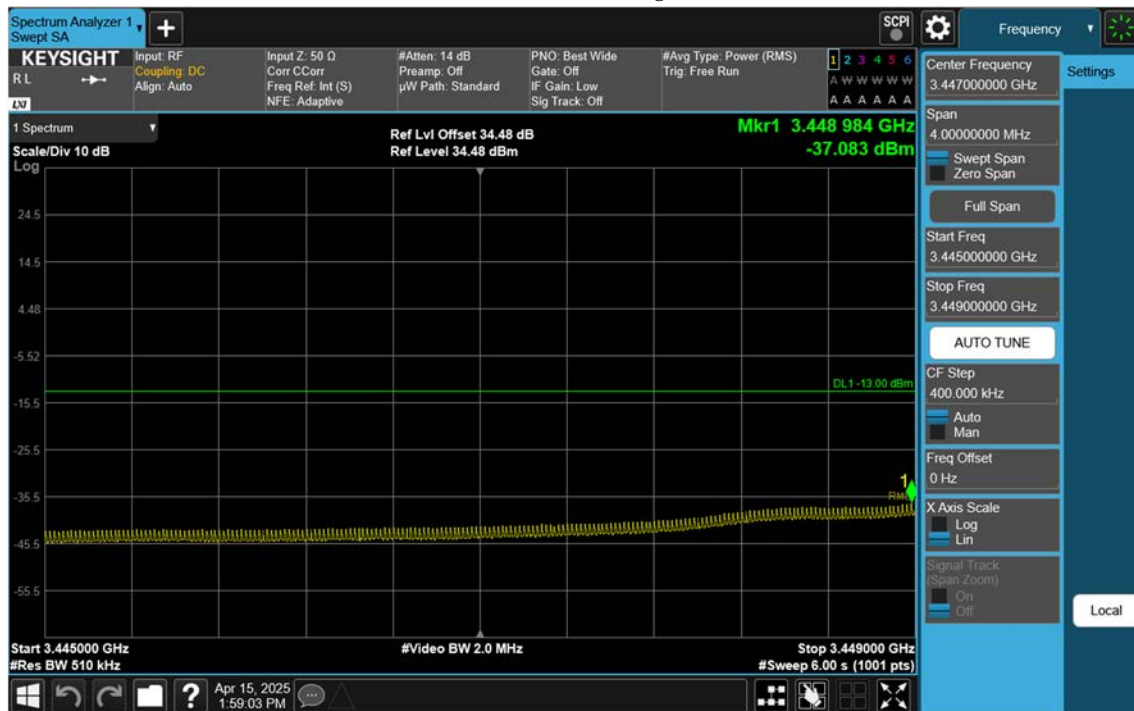


n77(3450~3550 MHz)_80 M_Band Edge_Low_BPSK_1RB(1)



The screenshot shows a Keysight Spectrum Analyzer interface. The main display area shows a signal trace at 3.448 GHz with a power level of -28.164 dBm. The frequency range is from 3.445000 GHz to 3.449000 GHz. The resolution bandwidth (RBW) is 2.0 MHz. The video bandwidth (VBW) is 2.0 MHz. The span is 4.00000000 MHz. The center frequency is 3.447000000 GHz. The signal is labeled 'Mkr1 3.448 944 GHz -28.164 dBm'. The display is in 'Spectrum' mode. The input is RF, and the coupling is DC. The alignment is Auto. The input Z is 50 Ω. The correction is C-Corr. The frequency reference is Int (S). The NFE is Adaptive. The attenuation is 14 dB. The preamp is Off. The μW Path is Standard. The PNO is Best Wide. The gate is Off. The IF gain is Low. The signal track is Off. The average type is Power (RMS). The trigger is Free Run. The display is in 'Log' mode. The scale/div is 10 dB. The start frequency is 3.4450000 GHz. The stop frequency is 3.4490000 GHz. The CF step is 400.000 kHz. The auto/manual setting is Auto. The frequency offset is 0 Hz. The X-axis scale is Log. The signal track (span zoom) is On. The local button is visible in the bottom right corner.

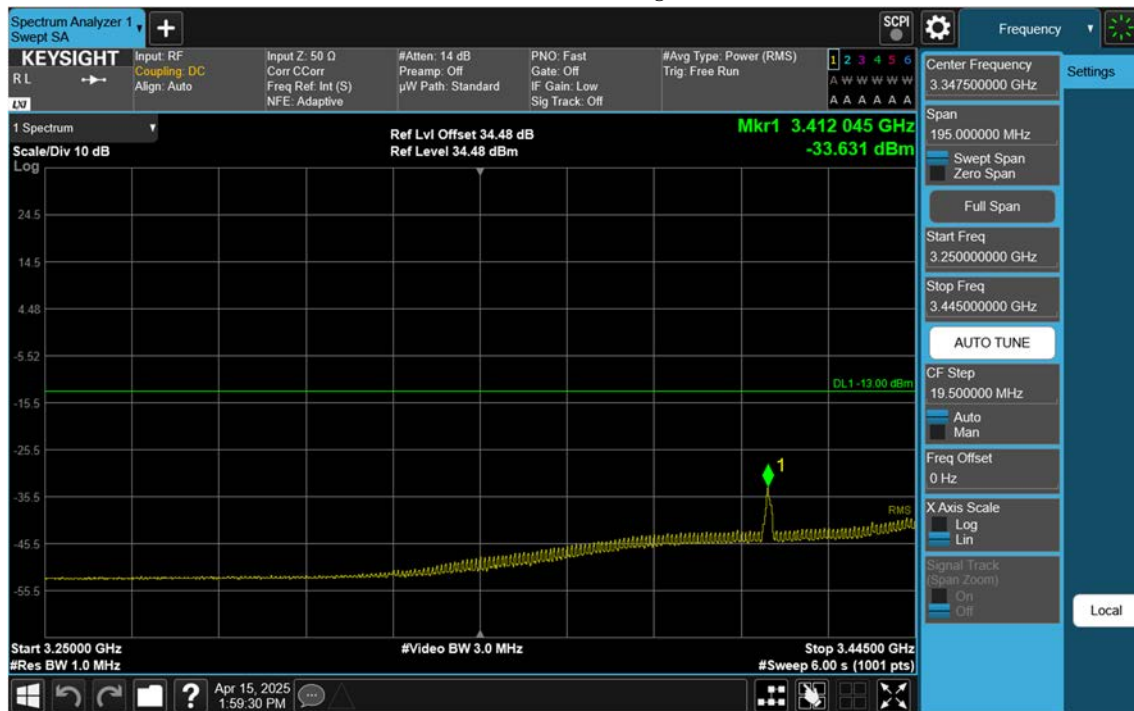
n77(3450~3550 MHz)_80 M_Band Edge_Low_BPSK_1RB(2)



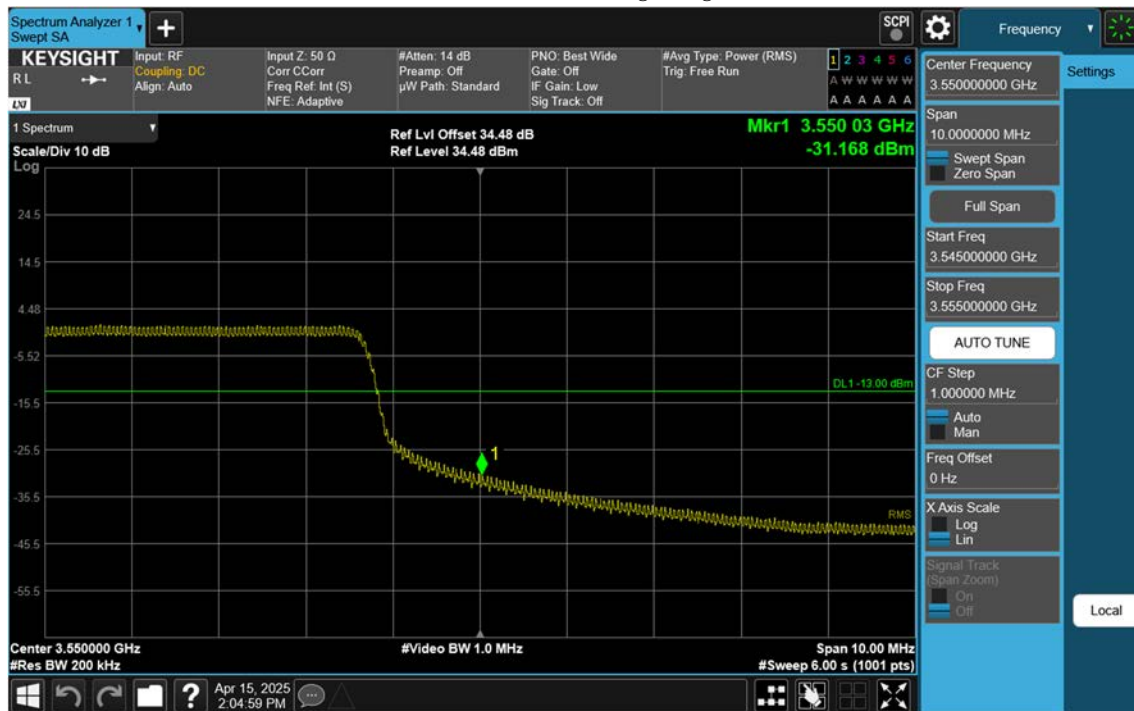
n77(3450~3550 MHz)_80 M_Band Edge_Low_BPSK_FullRB(3)



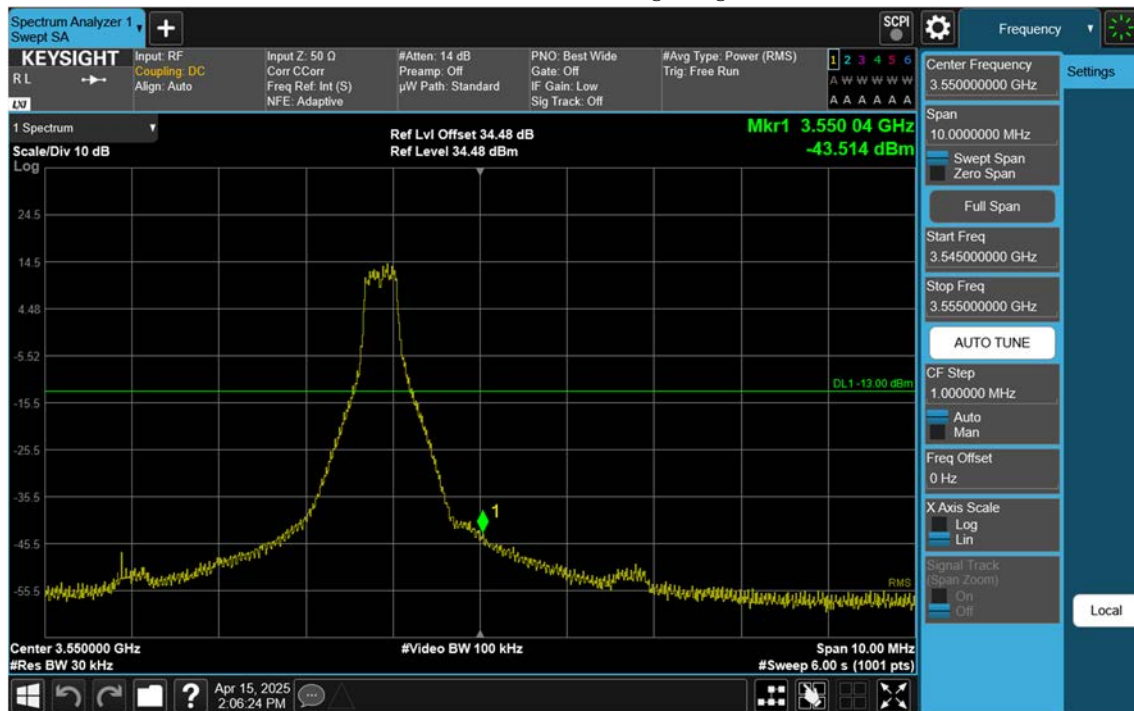
n77(3450~3550 MHz)_80 M_Band Edge_Low_BPSK_1RB(3)



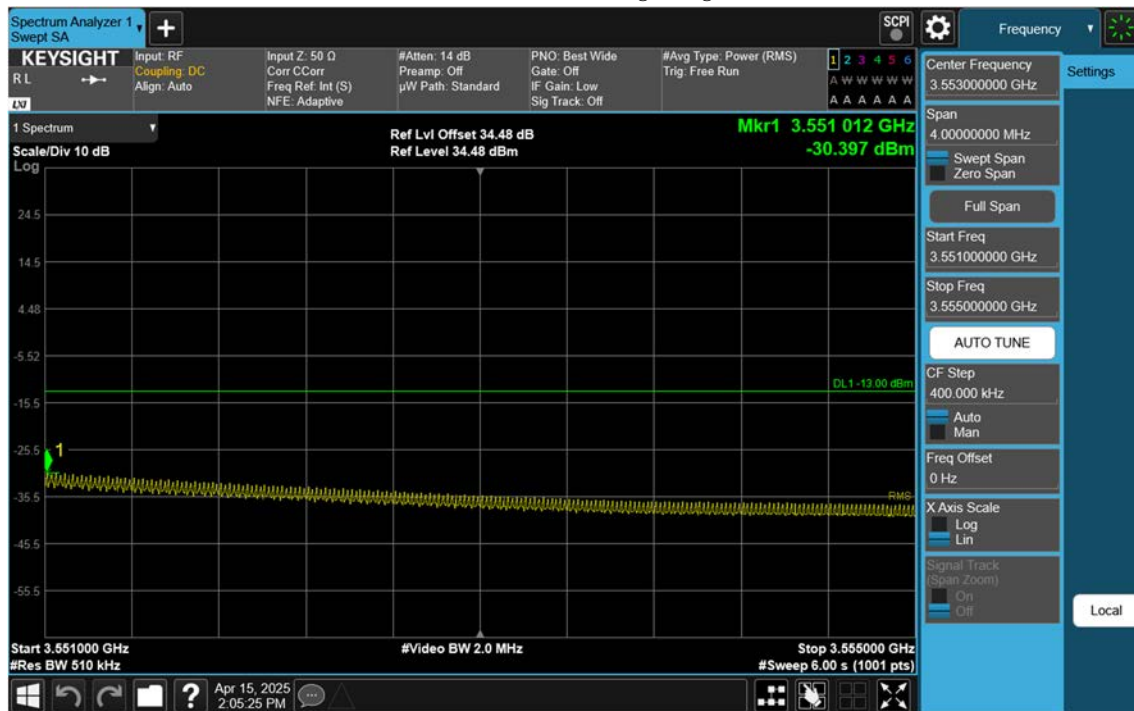
n77(3450~3550 MHz)_80 M_Band Edge_High_BPSK_FullRB(1)



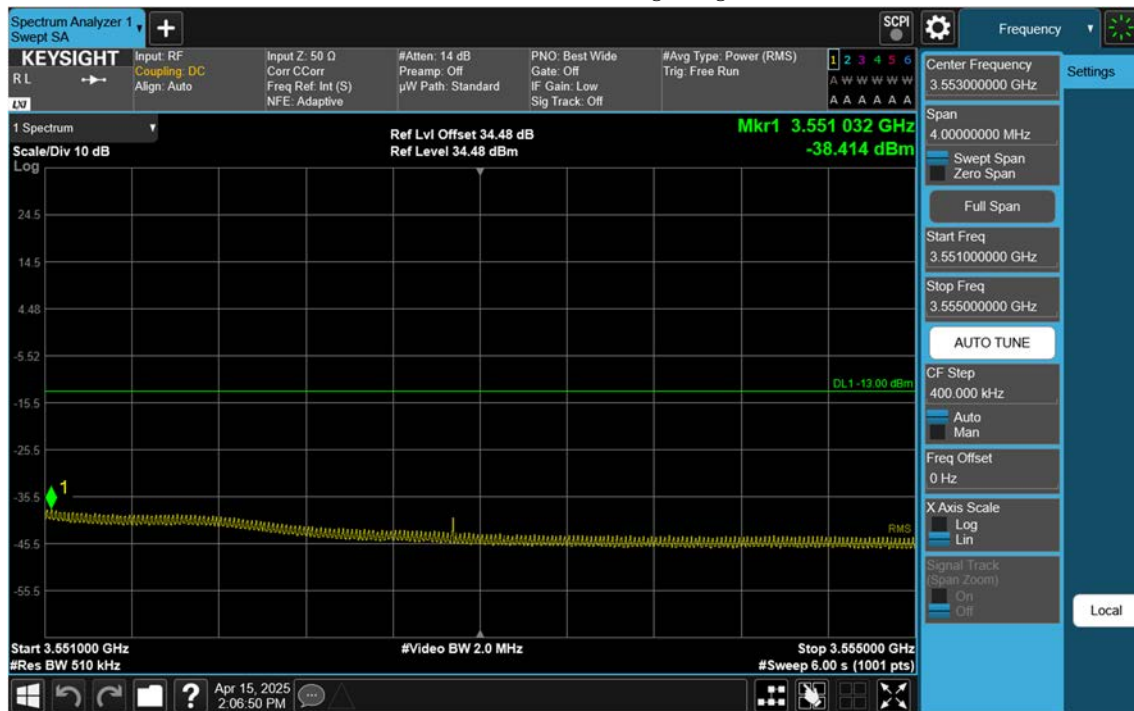
n77(3450~3550 MHz)_80 M_Band Edge_High_BPSK_1RB(1)



n77(3450~3550 MHz)_80 M_Band Edge_High_BPSK_FullRB(2)



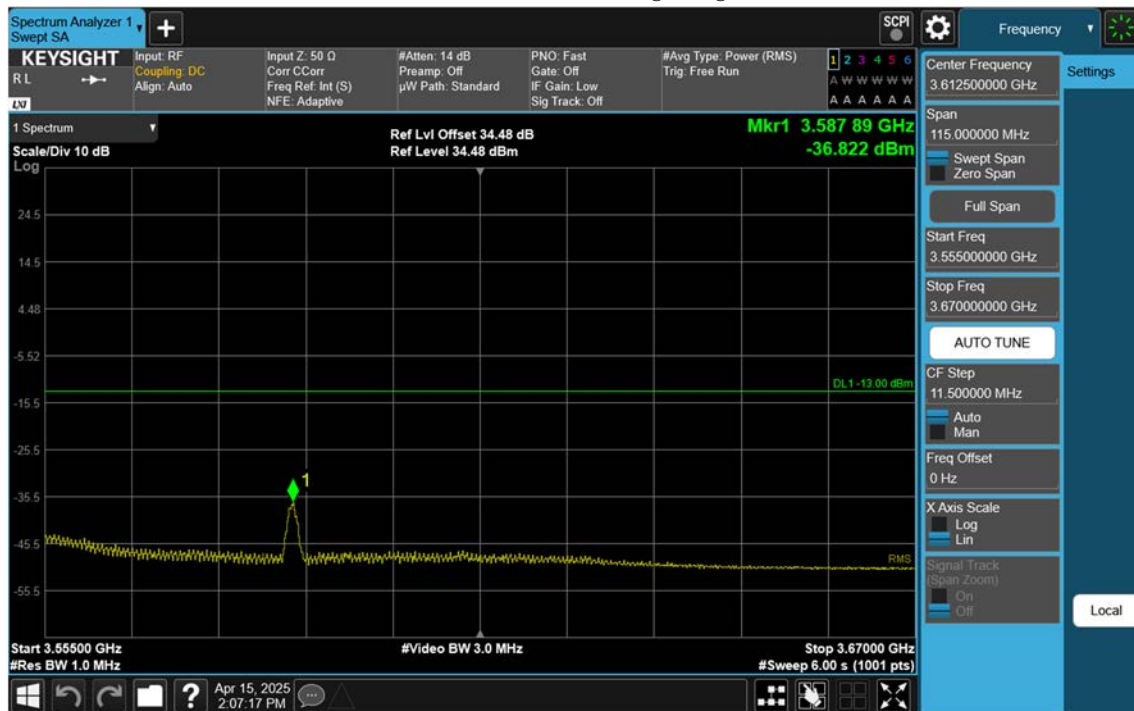
n77(3450~3550 MHz)_80 M_Band Edge_High_BPSK_1RB(2)



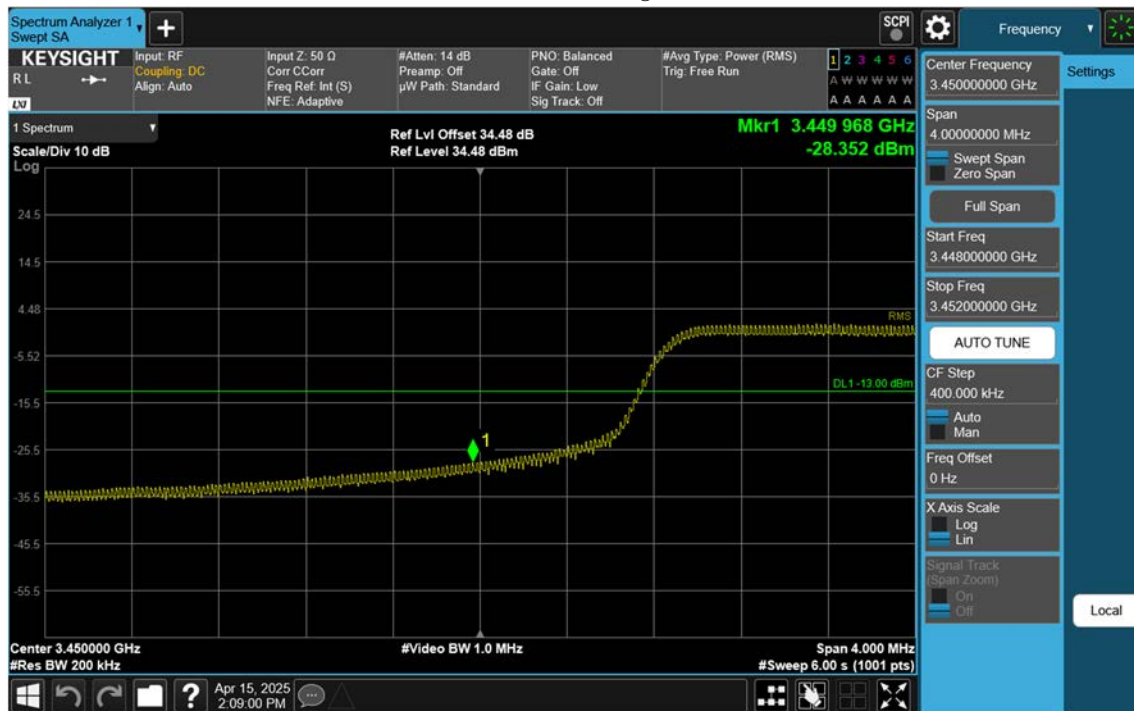
n77(3450~3550 MHz)_80 M_Band Edge_High_BPSK_FullRB(3)



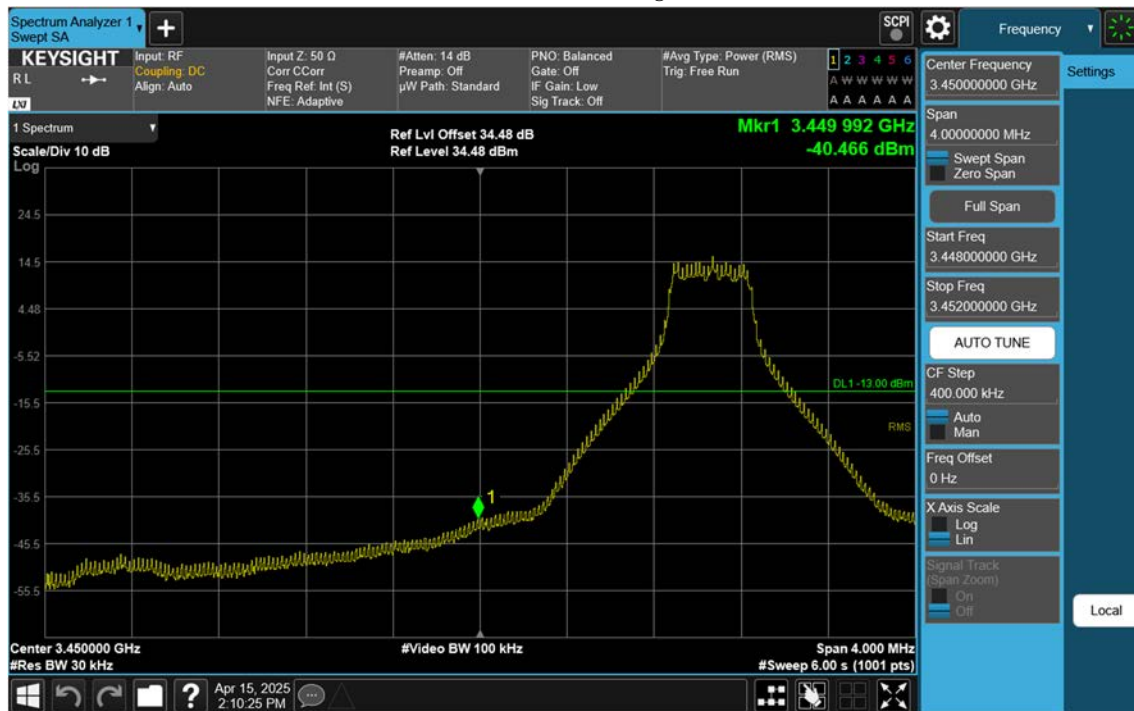
n77(3450~3550 MHz)_80 M_Band Edge_High_BPSK_1RB(3)



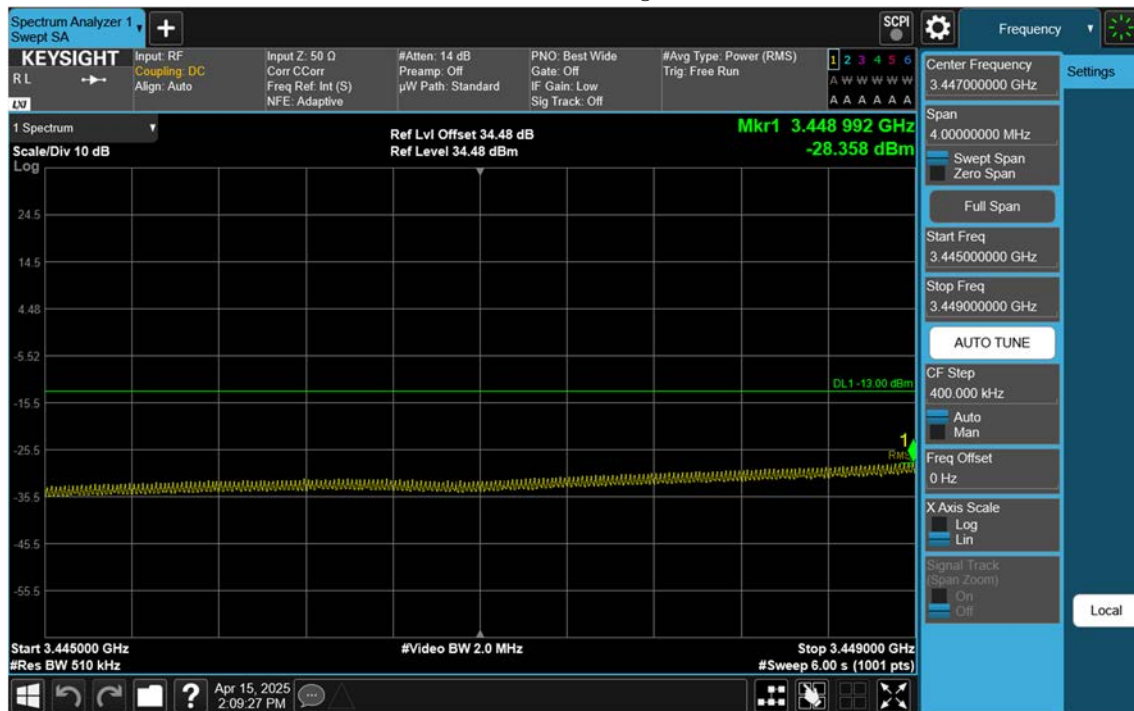
n77(3450~3550 MHz)_90 M_Band Edge_Low_BPSK_FullRB(1)



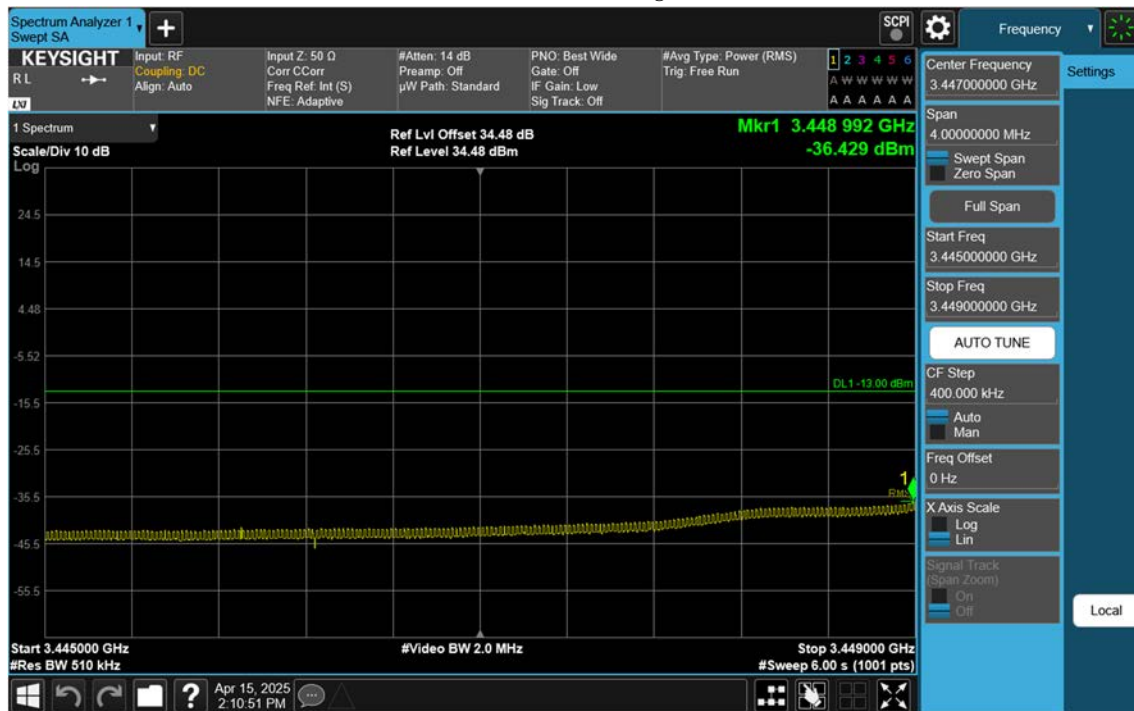
n77(3450~3550 MHz)_90 M_Band Edge_Low_BPSK_1RB(1)



n77(3450~3550 MHz)_90 M_Band Edge_Low_BPSK_FullRB(2)



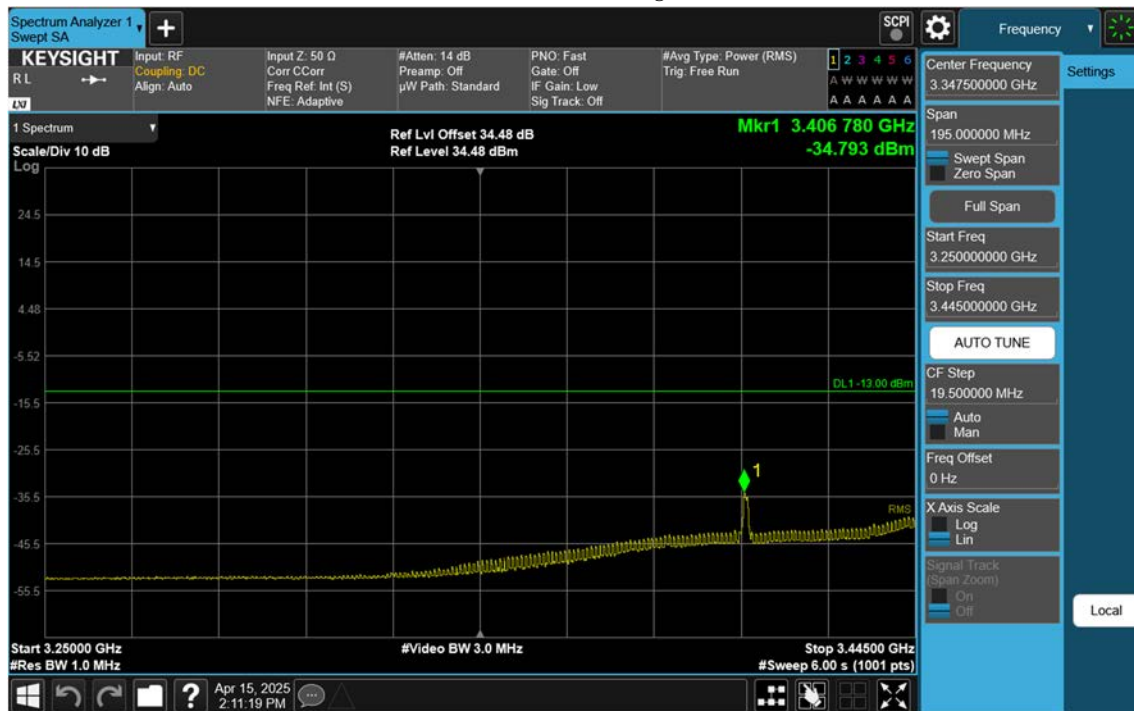
n77(3450~3550 MHz)_90 M_Band Edge_Low_BPSK_1RB(2)



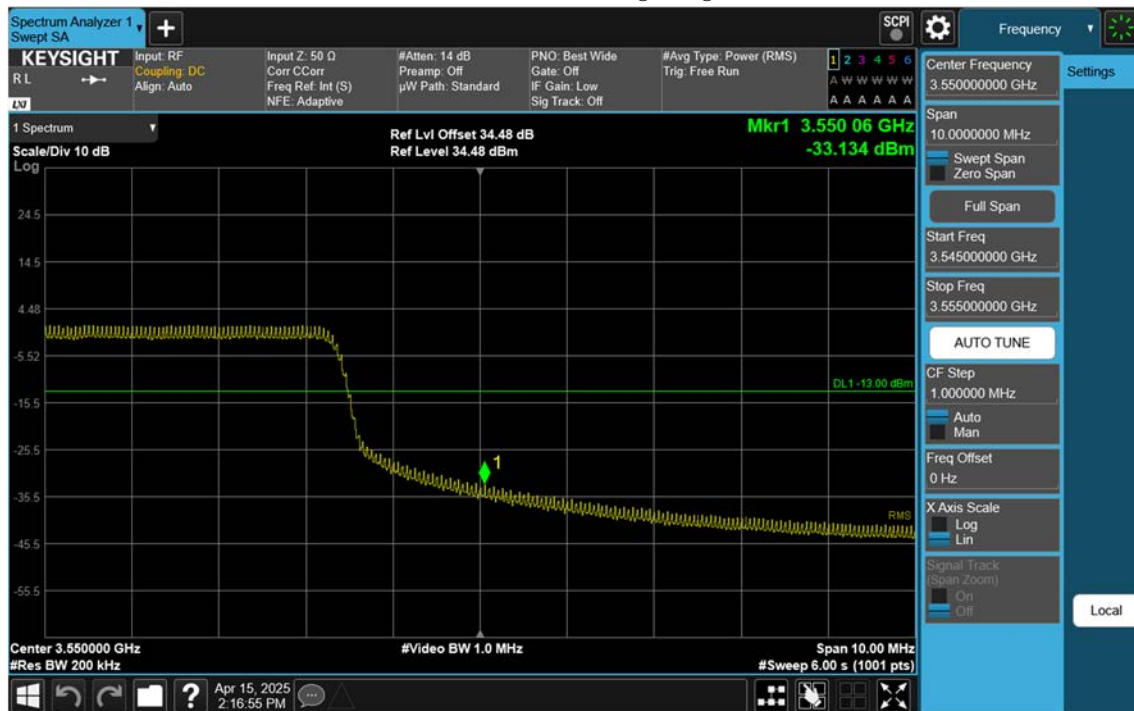
n77(3450~3550 MHz)_90 M_Band Edge_Low_BPSK_FullRB(3)



n77(3450~3550 MHz)_90 M_Band Edge_Low_BPSK_1RB(3)



n77(3450~3550 MHz)_90 M_Band Edge_High_BPSK_FullRB(1)



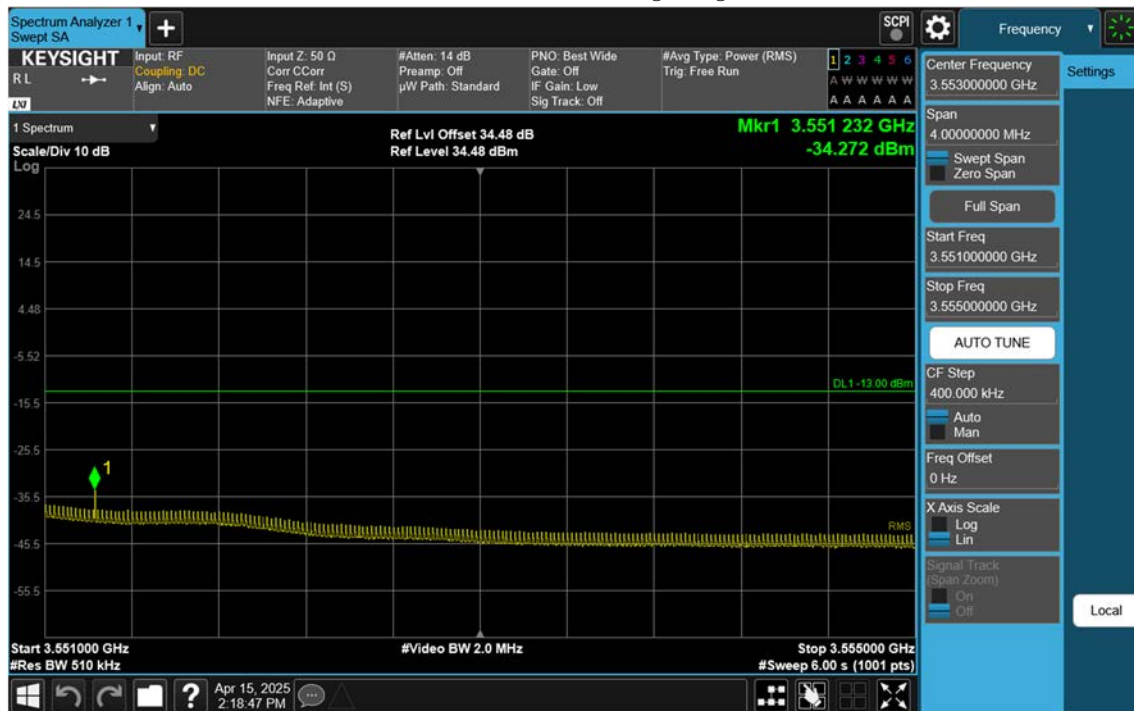
The screenshot displays a Spectrum Analyzer interface with the following details:

- Top Panel:**
 - KEYSIGHT** logo and a plus sign icon.
 - Input:** RF, **Coupling:** DC, **Align:** Auto.
 - Input Z:** 50 Ω , **Corr C/Corr:** Freq Ref: Int (S), **NFE:** Adaptive.
 - #Atten:** 14 dB, **Preamp:** Off, **μ W Path:** Standard.
 - PNO:** Best Wide, **Gate:** Off, **IF Gain:** Low, **Sig Track:** Off.
 - #Avg Type:** Power (RMS), **Trig:** Free Run.
 - Frequency:** 3.55000000 GHz, **Span:** 10.0000000 MHz.
- Center Panel:**
 - 1 Spectrum** dropdown menu.
 - Scale/Div:** 10 dB, **Log** scale.
 - Ref Lvl Offset:** 34.48 dB, **Ref Level:** 34.48 dBm.
 - Mkr1:** 3.550 02 GHz, **-42.895 dBm** (indicated by a green diamond marker labeled '1').
 - DL1:** -13.90 dBm (indicated by a green horizontal line).
 - RMS** label near the noise floor.
- Right Panel:**
 - Settings** button.
 - Span:** 10.0000000 MHz.
 - Swept Span:** Zero Span.
 - Full Span** button.
 - Start Freq:** 3.545000000 GHz.
 - Stop Freq:** 3.555000000 GHz.
 - AUTO TUNE** button.
 - CF Step:** 1.0000000 MHz.
 - Auto/Man** toggle (Auto selected).
 - Freq Offset:** 0 Hz.
 - X Axis Scale:** Log/Lin toggle (Lin selected).
 - Signal Track (Span Zoom):** On/Off toggle (On selected).
 - Local** button.
- Bottom Panel:**
 - Center:** 3.550000 GHz, **#Video BW:** 100 kHz.
 - Span:** 10.00 MHz, **#Sweep:** 6.00 s (1001 pts).
 - Res:** BW 30 kHz.
 - System Icons:** Windows taskbar icons at the bottom left.

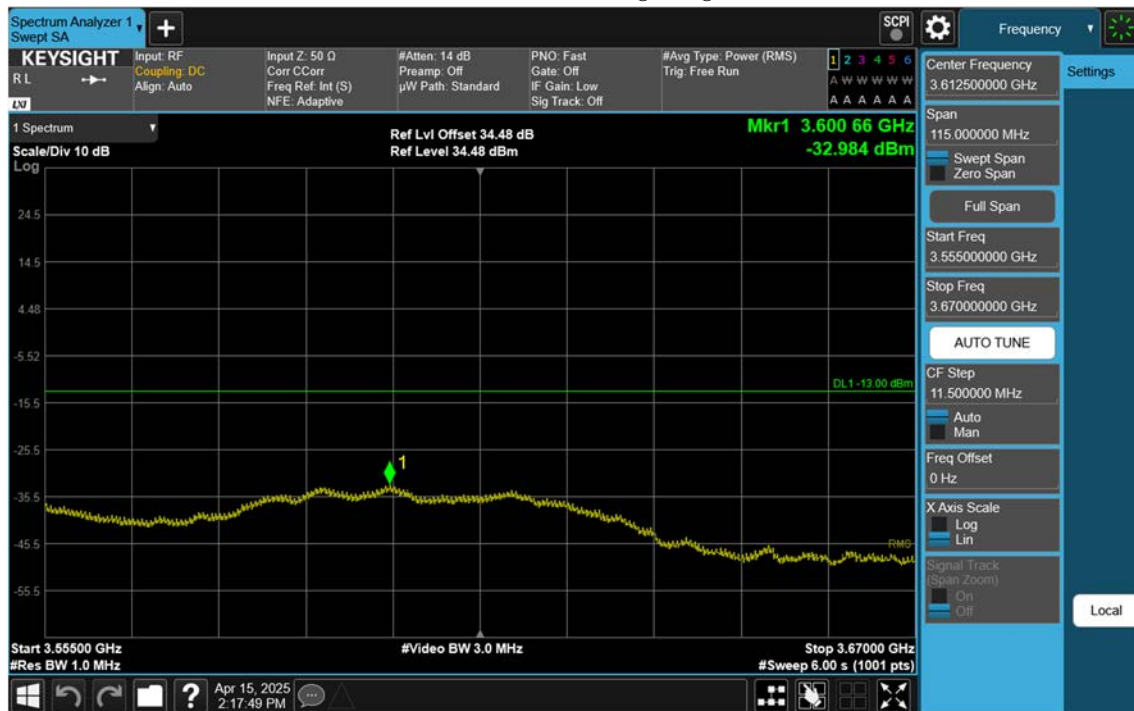
n77(3450~3550 MHz)_90 M_Band Edge_High_BPSK_FullRB(2)



n77(3450~3550 MHz)_90 M_Band Edge_High_BPSK_1RB(2)



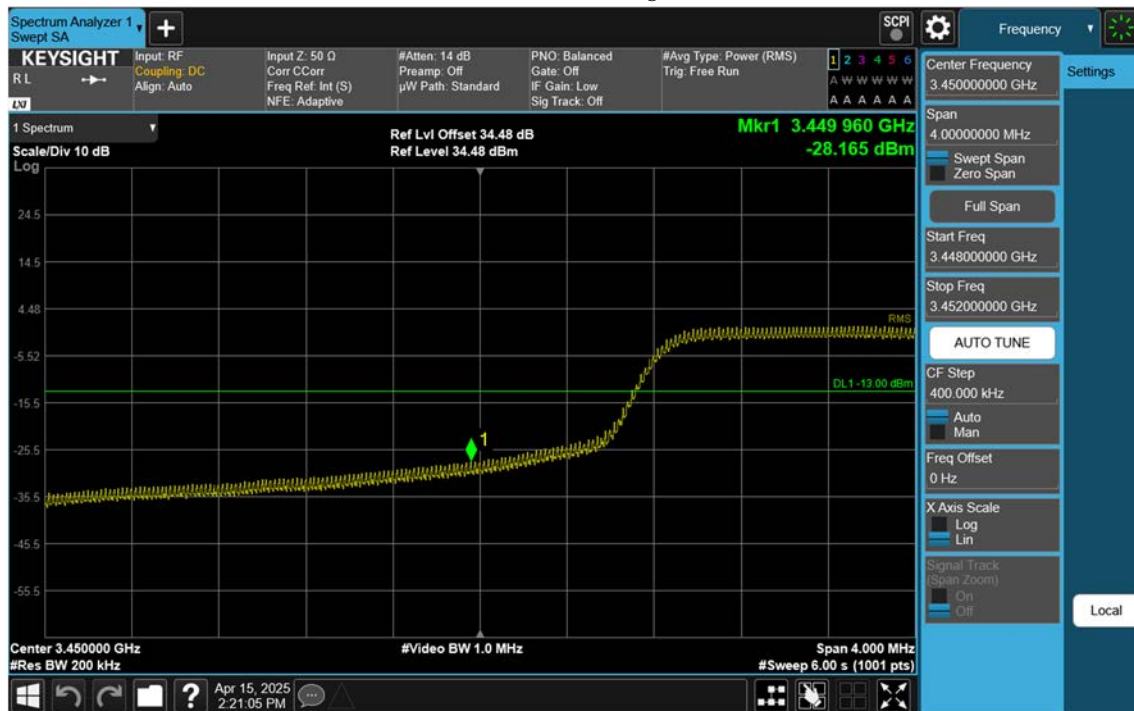
n77(3450~3550 MHz)_90 M_Band Edge_High_BPSK_FullRB(3)



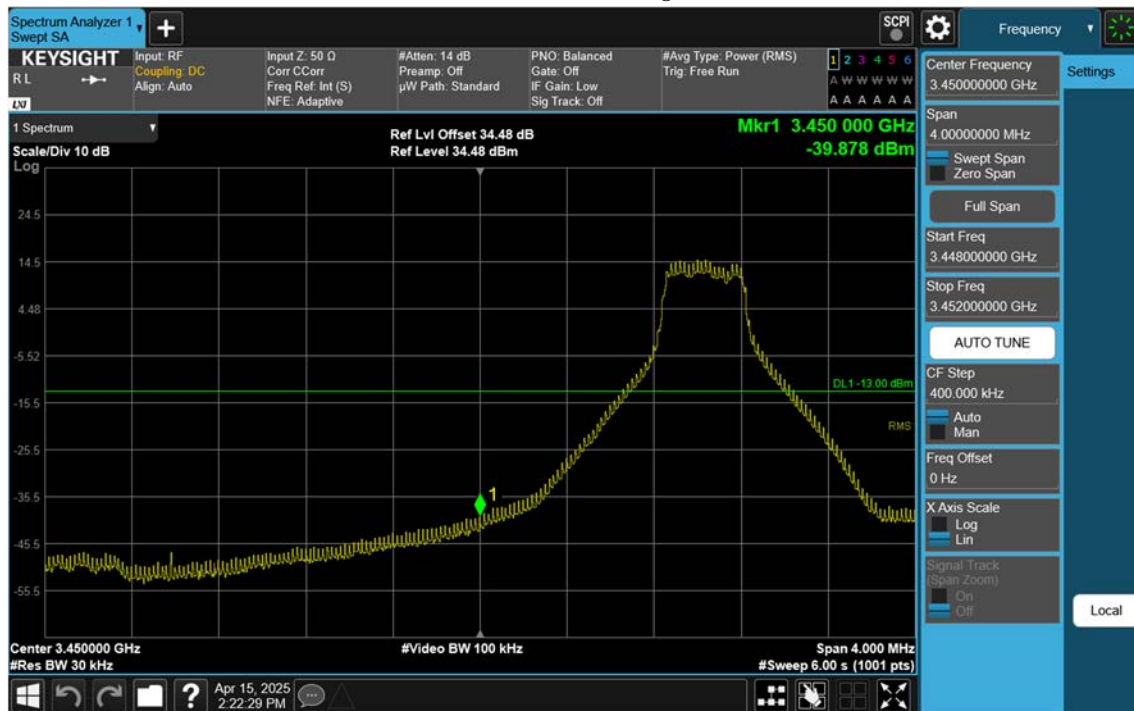
n77(3450~3550 MHz)_90 M_Band Edge_High_BPSK_1RB(3)



n77(3450~3550 MHz)_100 M_Band Edge_Low_BPSK_FullRB(1)



n77(3450~3550 MHz)_100 M_Band Edge_Low_BPSK_1RB(1)



Spectrum Analyzer 1
Swept SA

KEYSIGHT

Input: RF
Coupling: DC
Align: Auto

Input Z: 50 Ω
Corr C: Corr
Freq Ref: Int (S)
NFE: Adaptive

#Atten: 14 dB
Preamp: Off
μW Path: Standard

PNO: Best Wide
Gate: Off
IF Gain: Low
Sig Track: Off

#Avg Type: Power (RMS)
Trig: Free Run

1 2 3 4 5 6
A W W W W W
A A A A A A

Center Frequency
3.447000000 GHz

Span
4.000000000 MHz

Swept Span
Zero Span

Full Span

Start Freq
3.445000000 GHz

Stop Freq
3.449000000 GHz

AUTO TUNE

CF Step
400.000 kHz

Auto
Man

Freq Offset
0 Hz

X Axis Scale
Log
Lin

Signal Track
(Span Zoom)
On
Off

Local

1 Spectrum
Scale/Div 10 dB
Log

Ref Lvl Offset 34.48 dB
Ref Level 34.48 dBm

Mkr1 3.448 980 GHz
-29.744 dBm

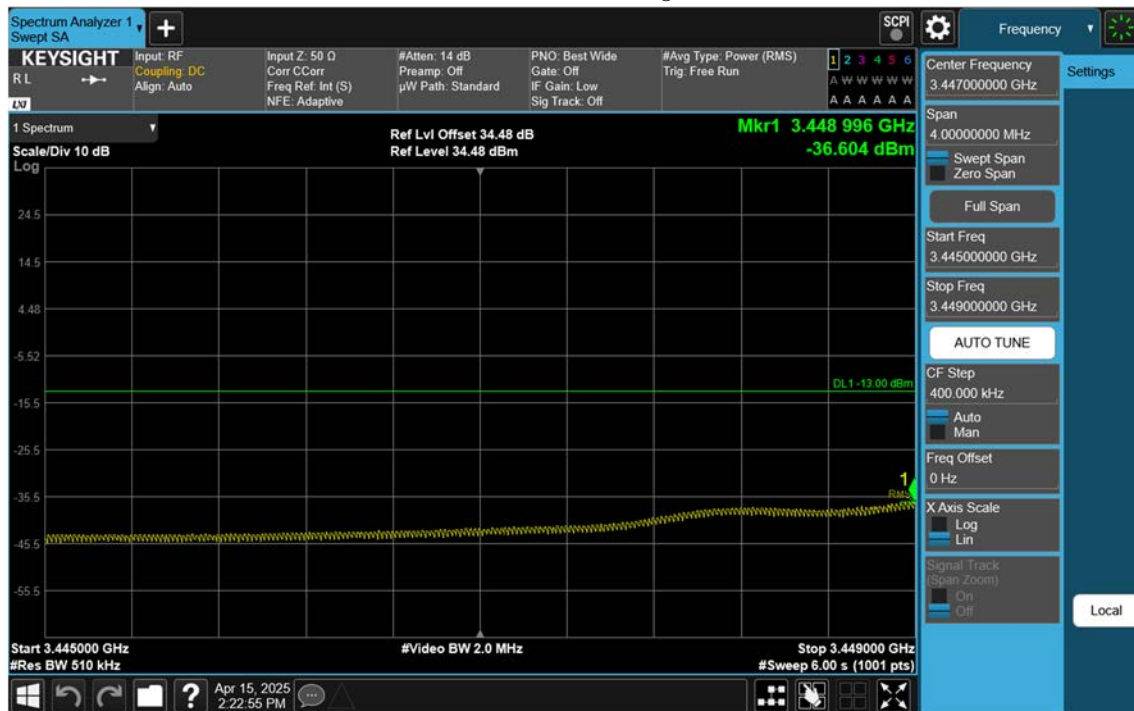
DL1-13.90 dBm

Start 3.445000 GHz
#Res BW 510 kHz

#Video BW 2.0 MHz

Stop 3.449000 GHz
#Sweep 6.00 s (1001 pts)

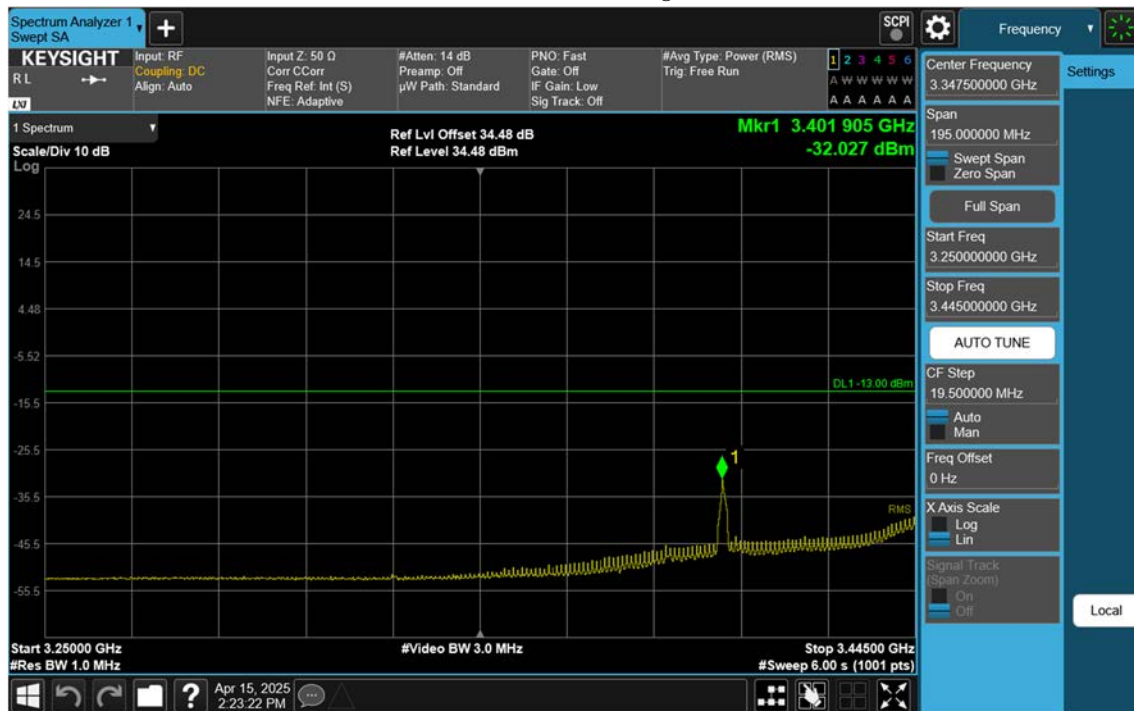
n77(3450~3550 MHz)_100 M_Band Edge_Low_BPSK_1RB(2)



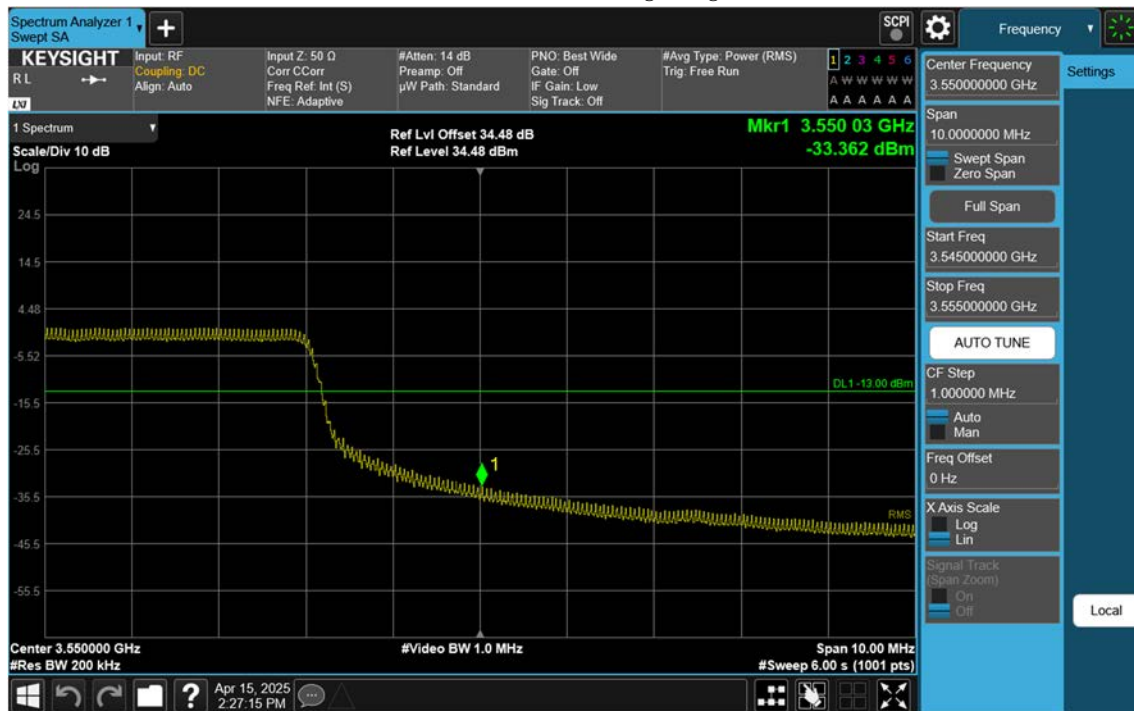
n77(3450~3550 MHz)_100 M_Band Edge_Low_BPSK_FullRB(3)



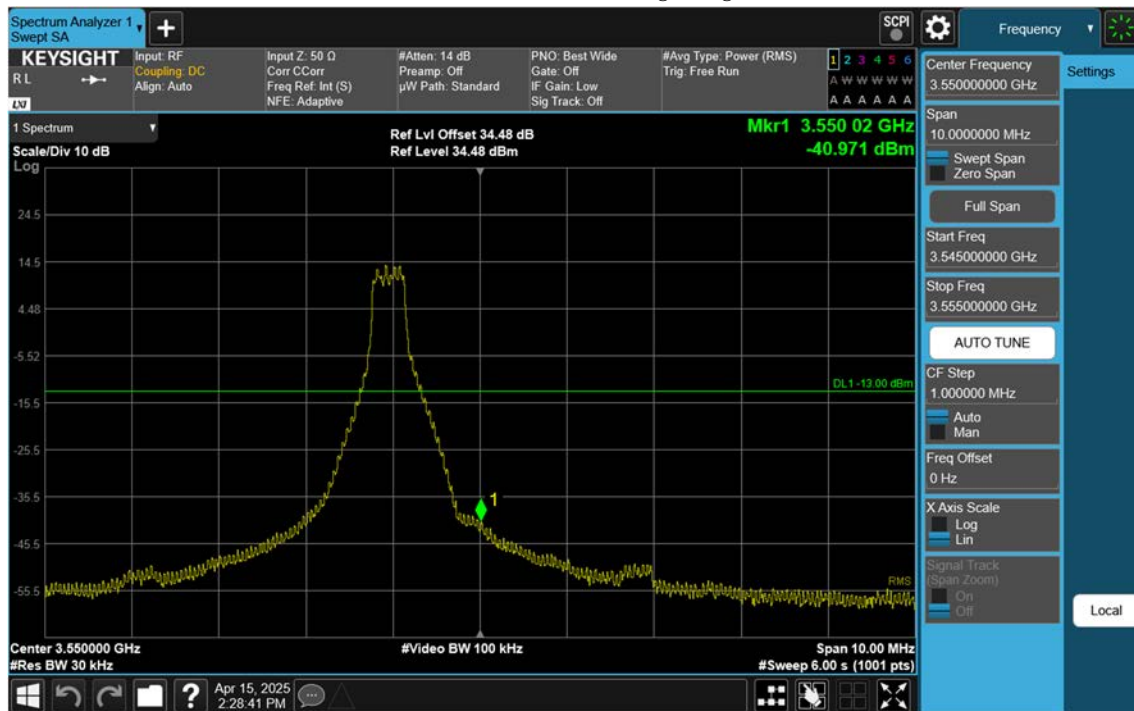
n77(3450~3550 MHz)_100 M_Band Edge_Low_BPSK_1RB(3)



n77(3450~3550 MHz)_100 M_Band Edge_High_BPSK_FullRB(1)



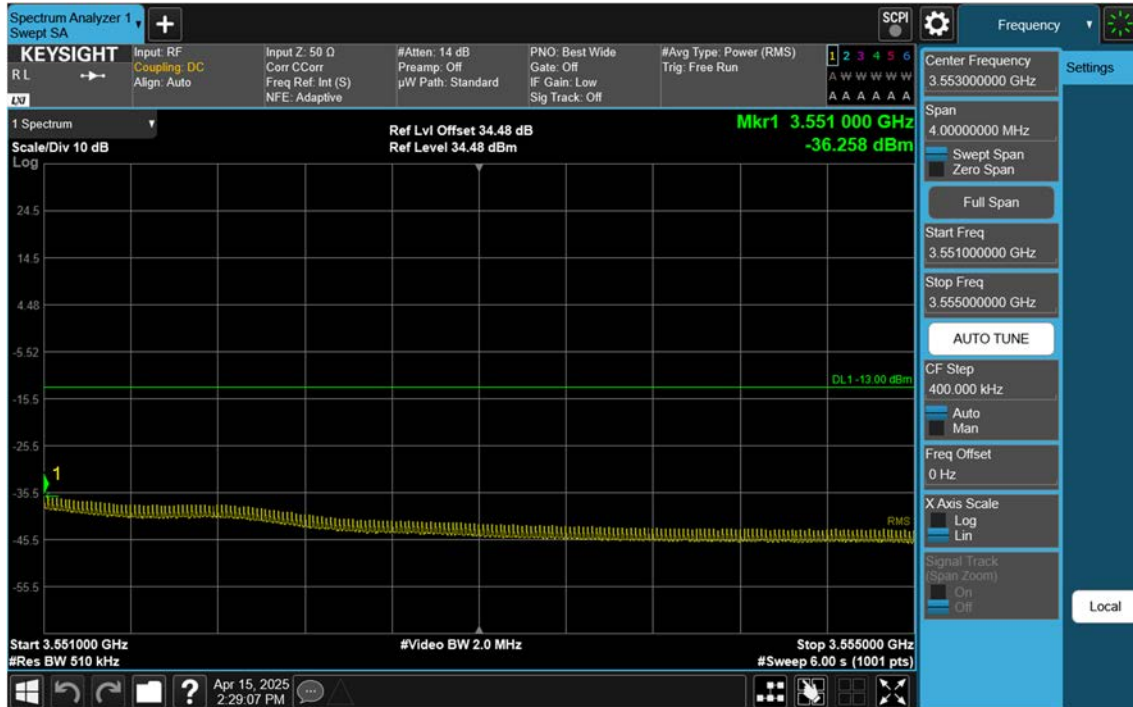
n77(3450~3550 MHz)_100 M_Band Edge_High_BPSK_1RB(1)



n77(3450~3550 MHz)_100 M_Band Edge_High_BPSK_FullIRB(2)



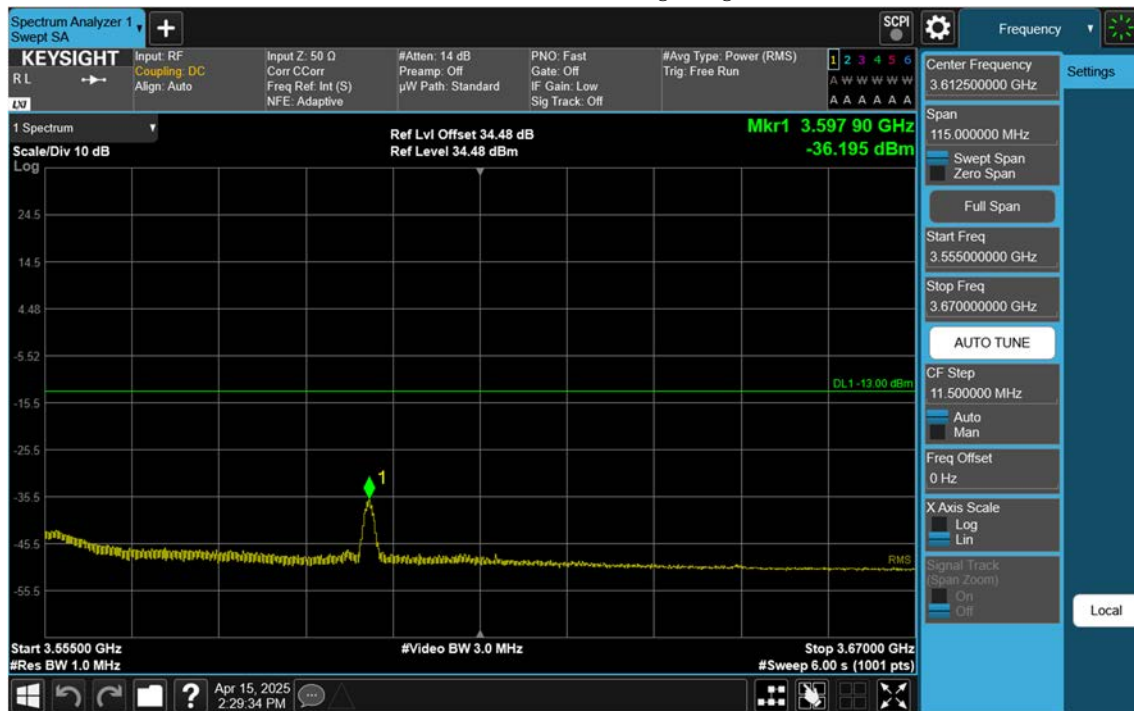
n77(3450~3550 MHz)_100 M_Band Edge_High_BPSK_1RB(2)



n77(3450~3550 MHz)_100 M_Band Edge_High_BPSK_FullRB(3)

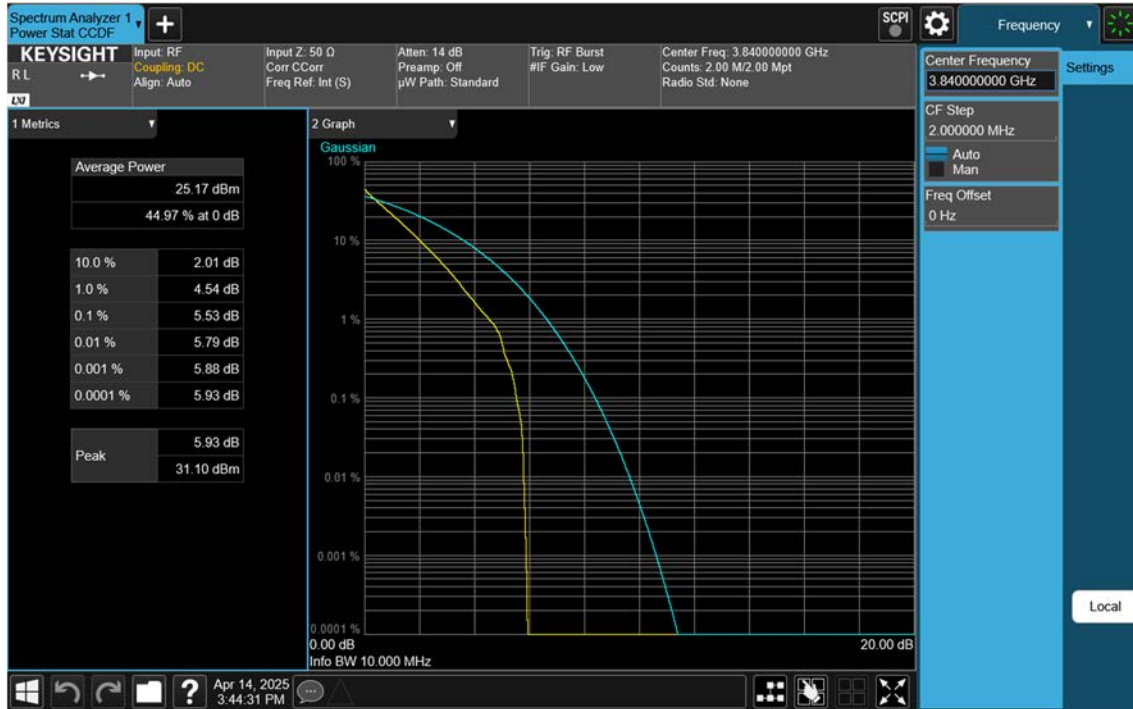


n77(3450~3550 MHz)_100 M_Band Edge_High_BPSK_1RB(3)

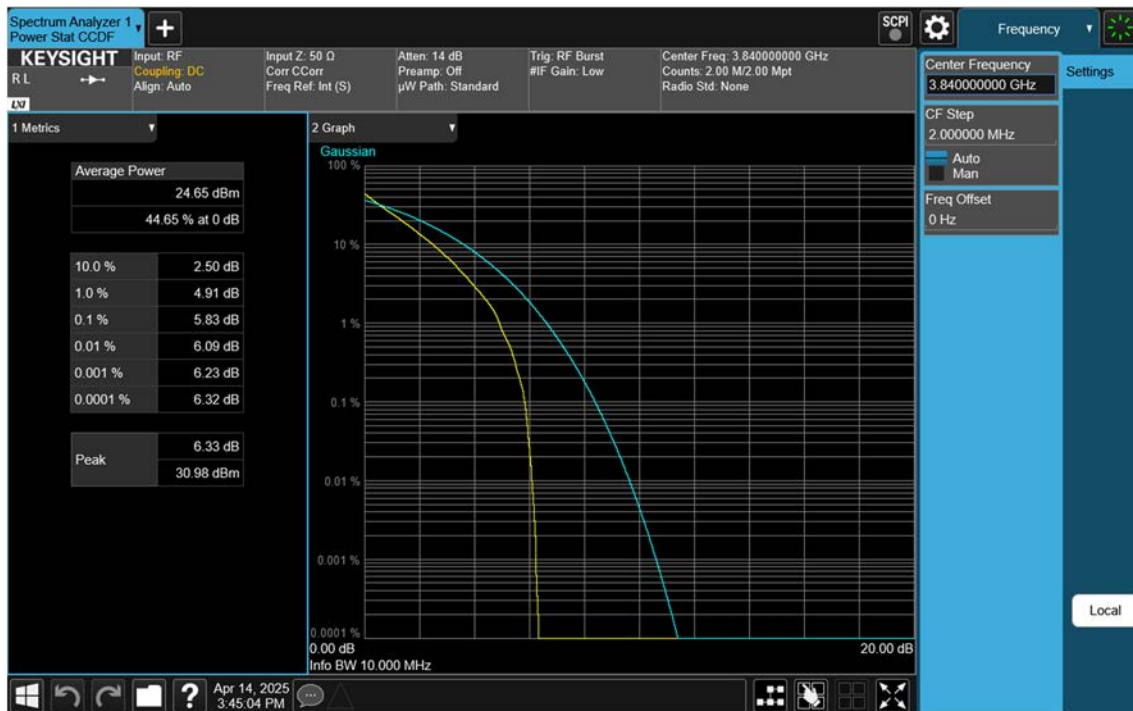


11. TEST PLOTS(3700 MHz - 3980 MHz)

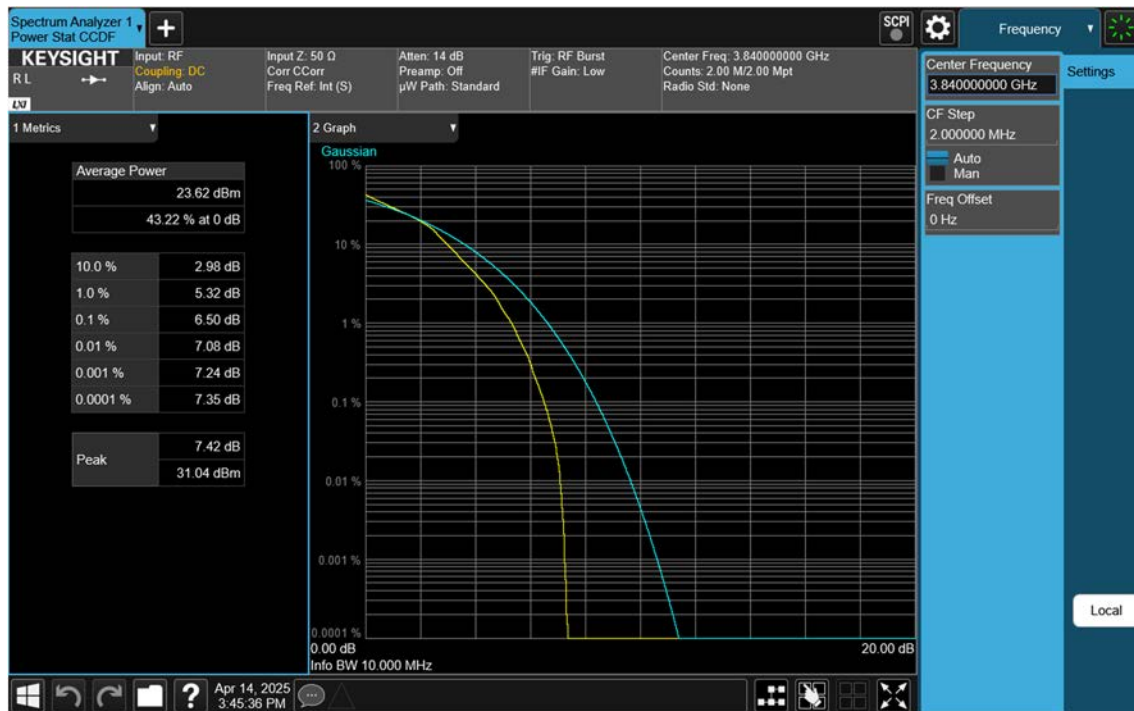
n77(3700~3980 MHz)_10 M_PAR_Mid_BPSK_FullRB



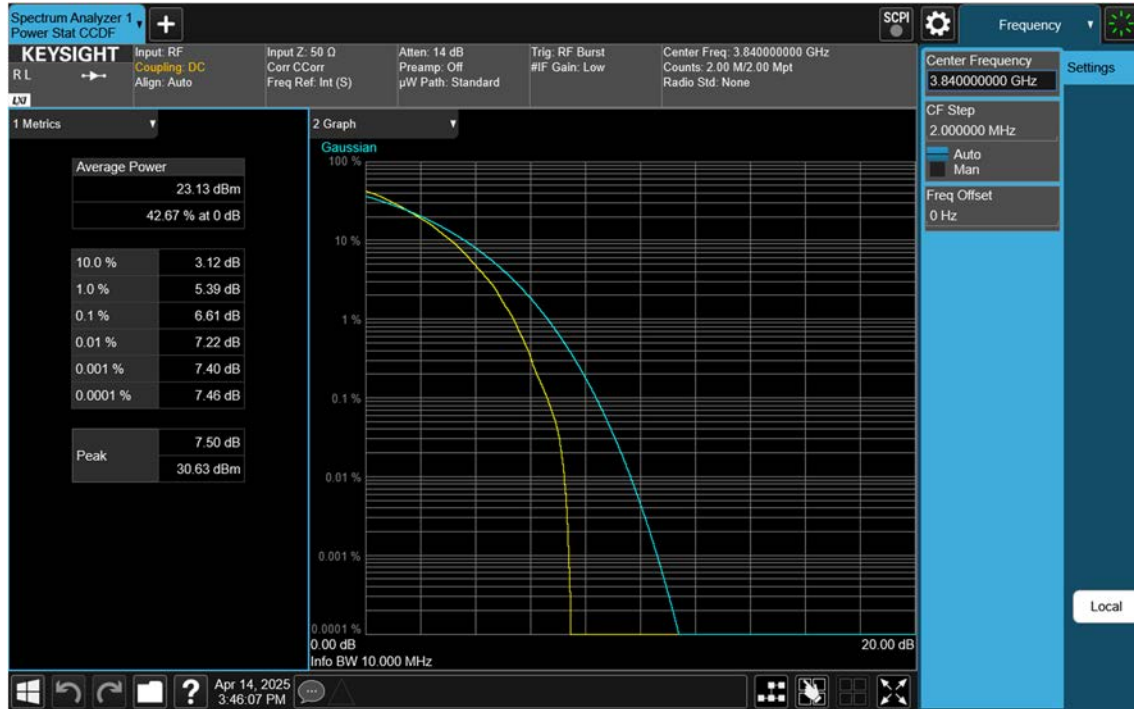
n77(3700~3980 MHz)_10 M_PAR_Mid_QPSK_FullRB



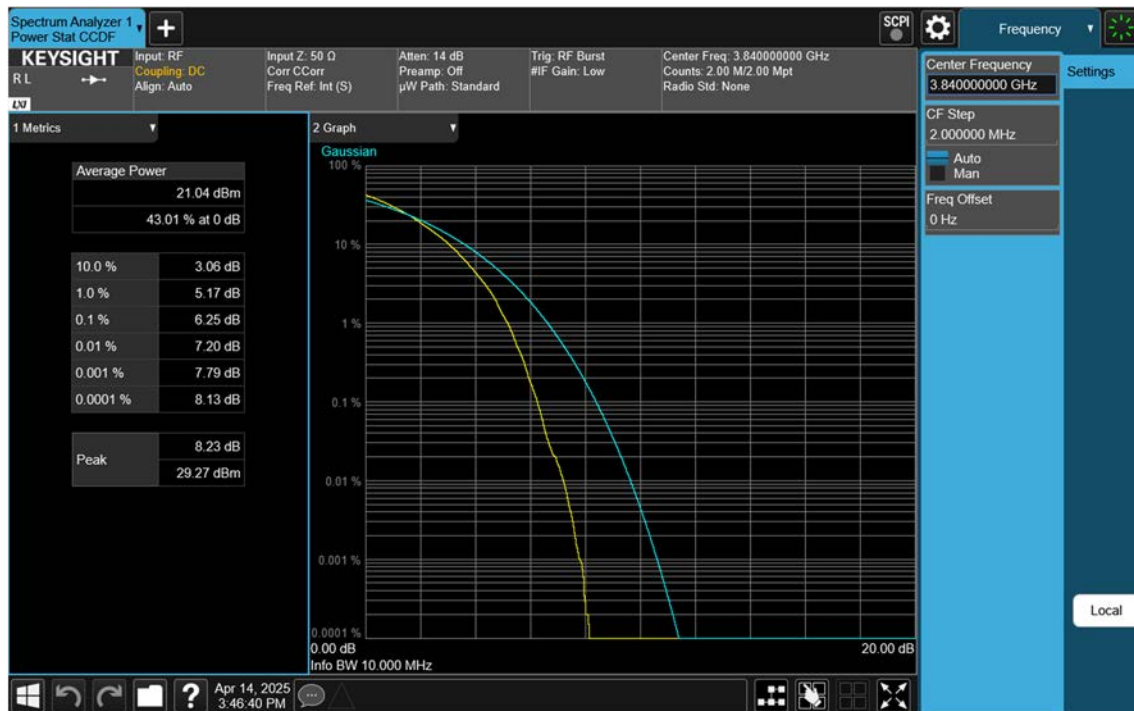
n77(3700~3980 MHz)_10 M_PAR_Mid_16QAM_FullRB



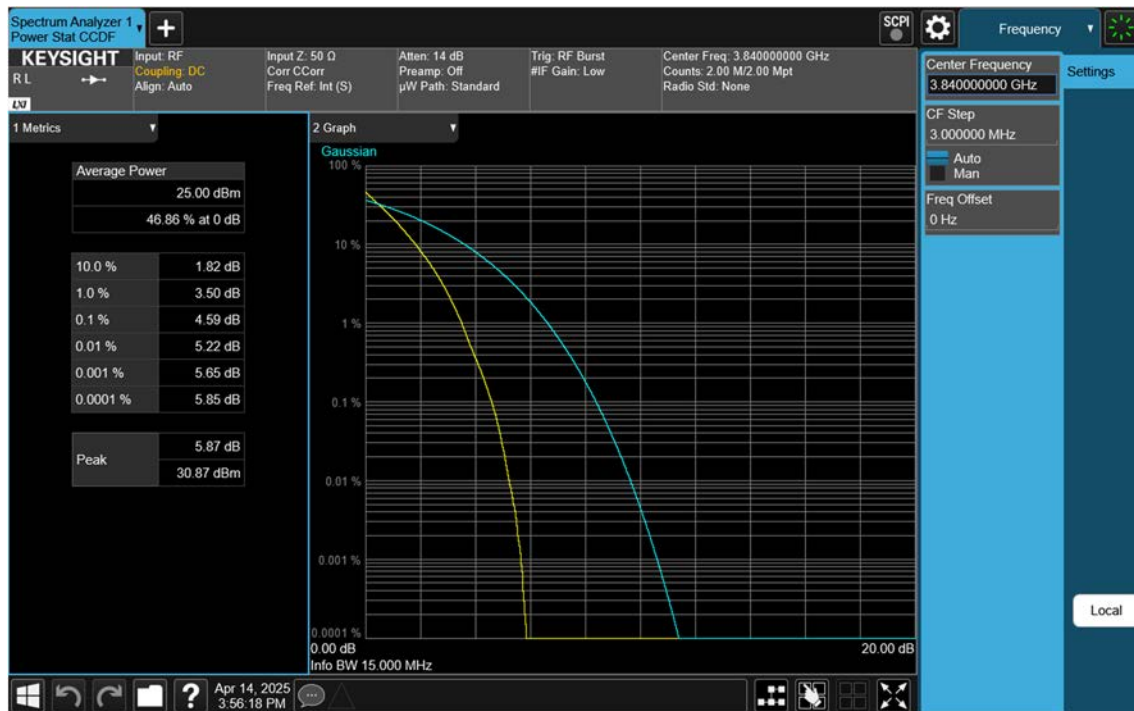
n77(3700~3980 MHz)_10 M_PAR_Mid_64QAM_FullRB



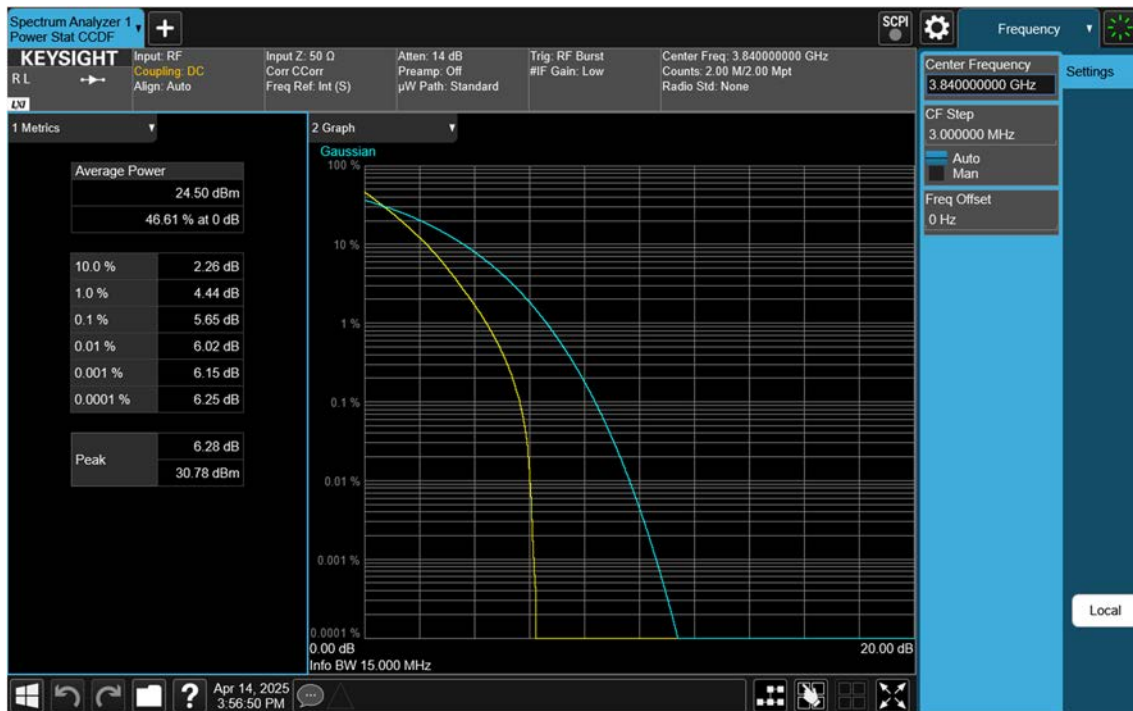
n77(3700~3980 MHz)_10 M_PAR_Mid_256QAM_FullRB



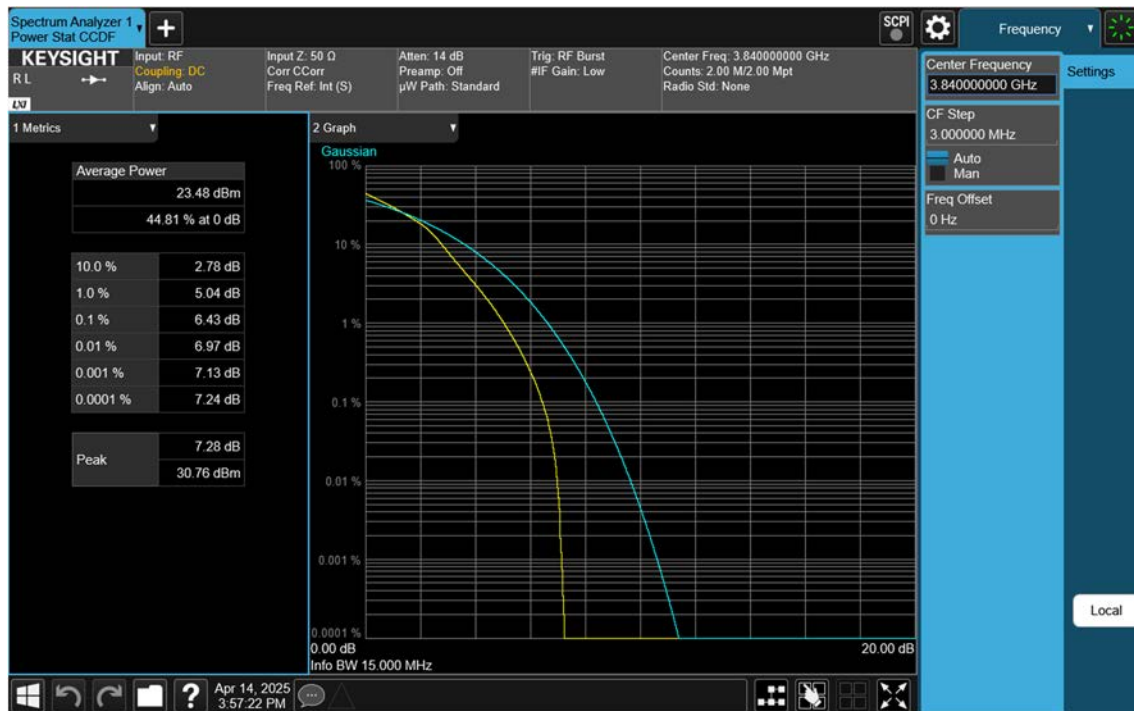
n77(3700~3980 MHz)_15 M_PAR_Mid_BPSK_FullRB



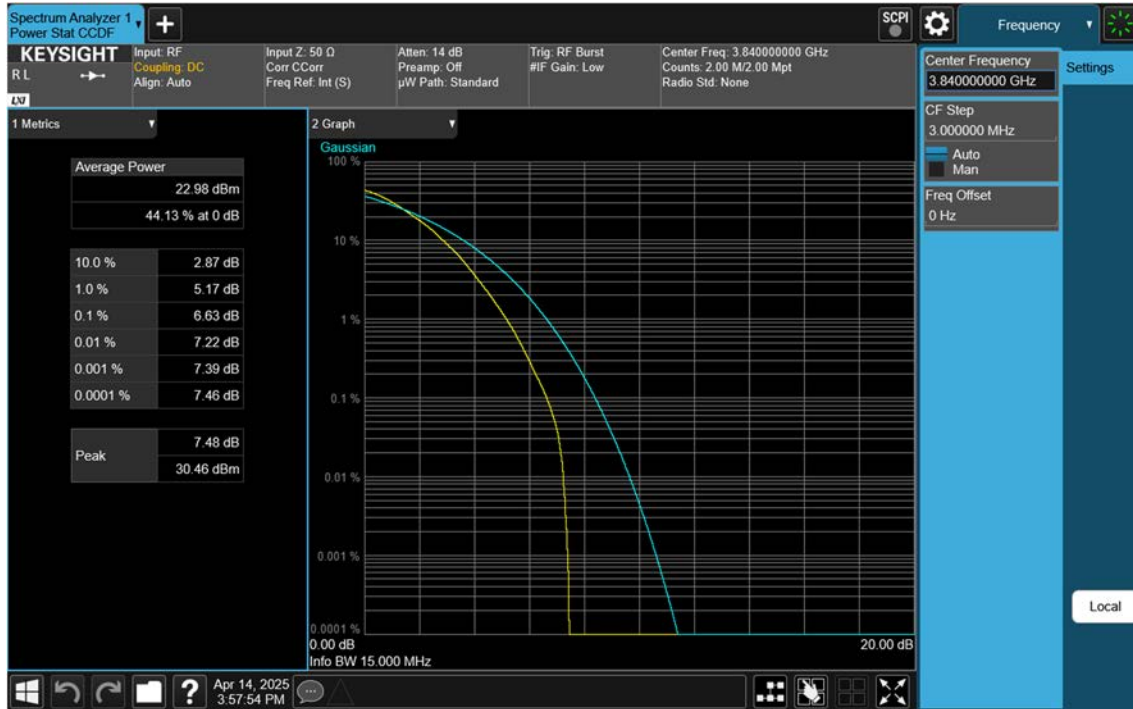
n77(3700~3980 MHz)_15 M_PAR_Mid_QPSK_FullRB



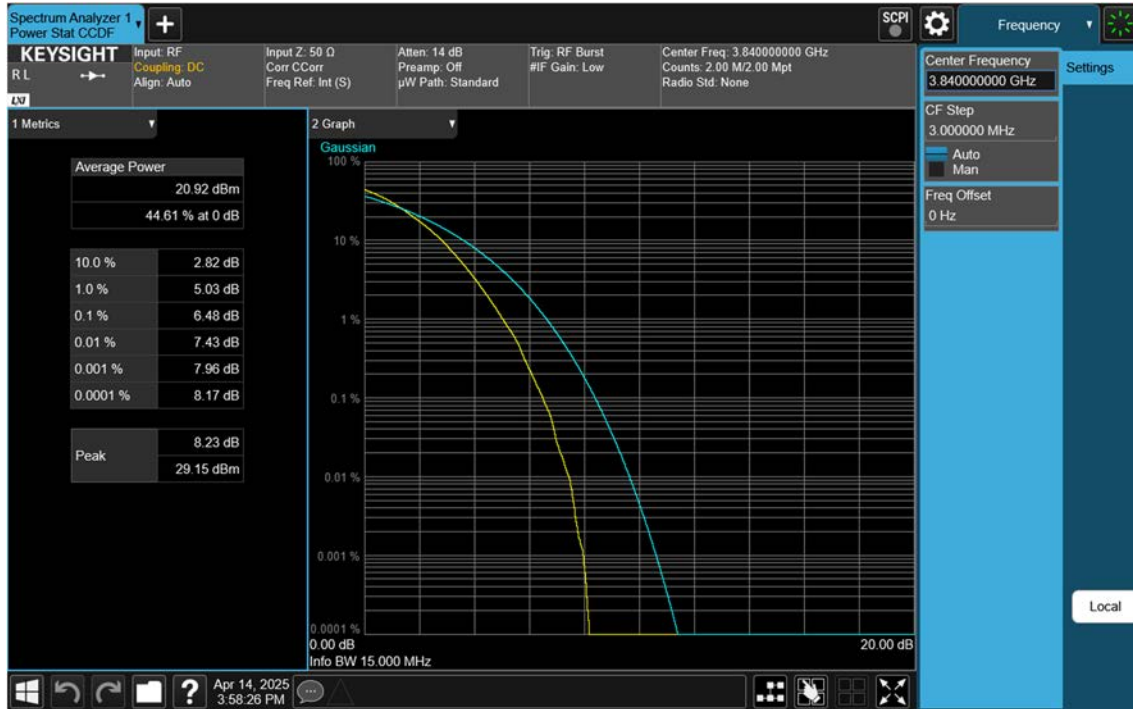
n77(3700~3980 MHz)_15 M_PAR_Mid_16QAM_FullRB



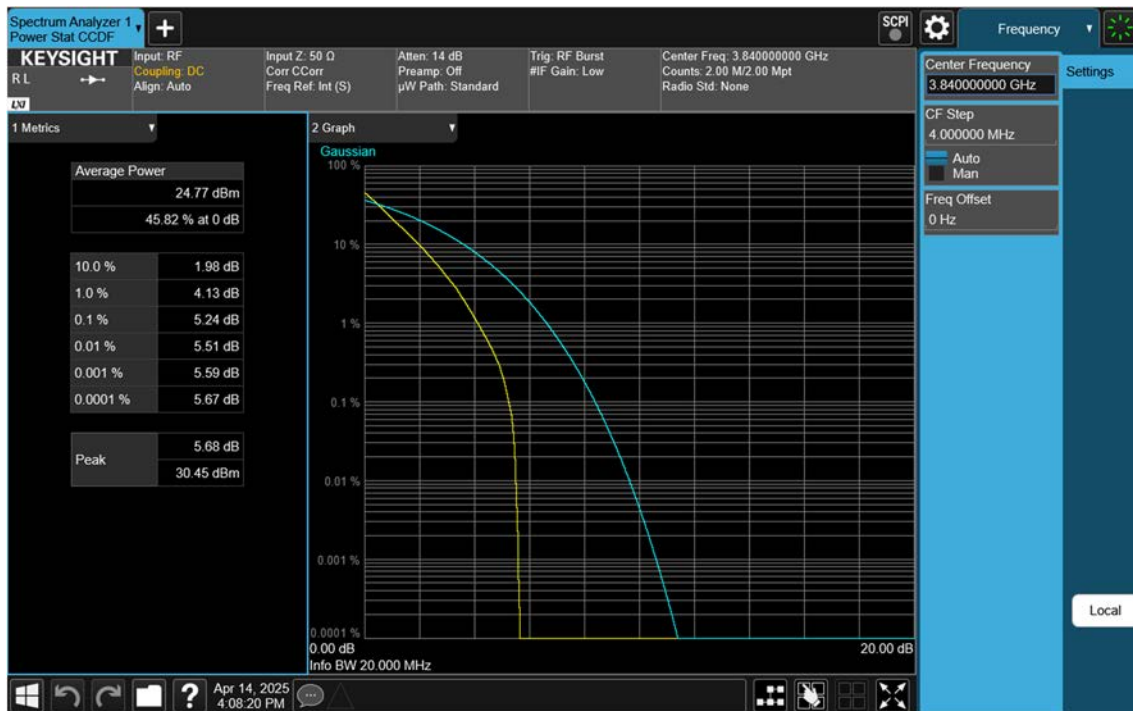
n77(3700~3980 MHz)_15 M_PAR_Mid_64QAM_FullRB



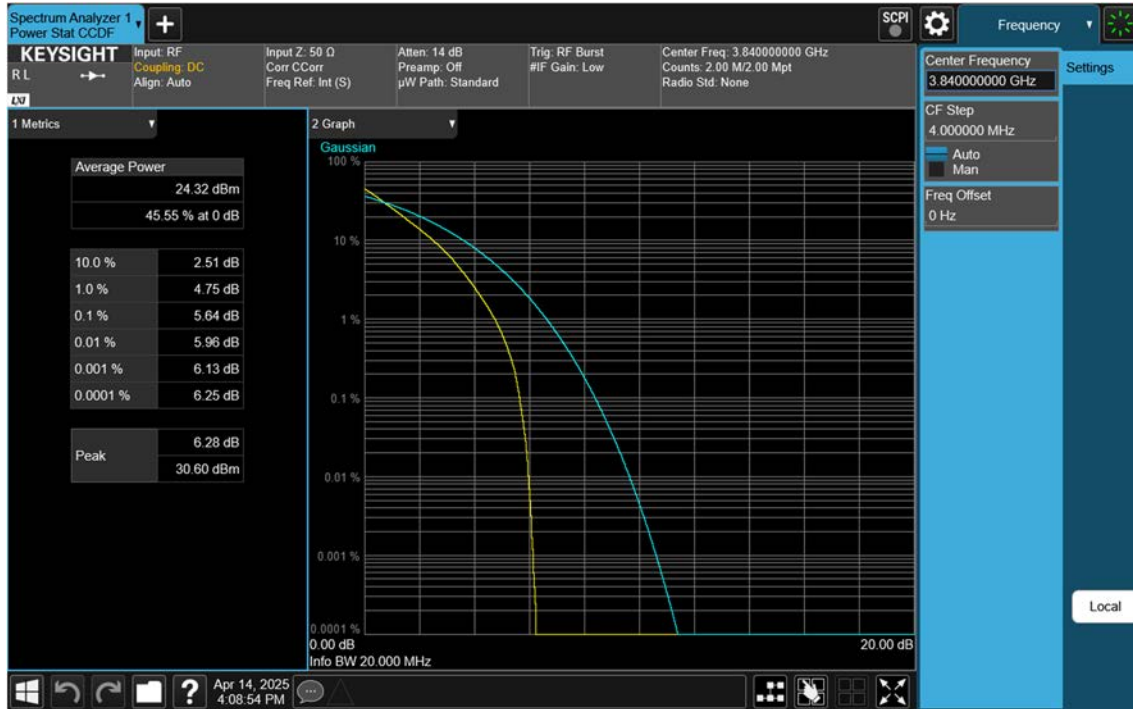
n77(3700~3980 MHz)_15 M_PAR_Mid_256QAM_FullRB



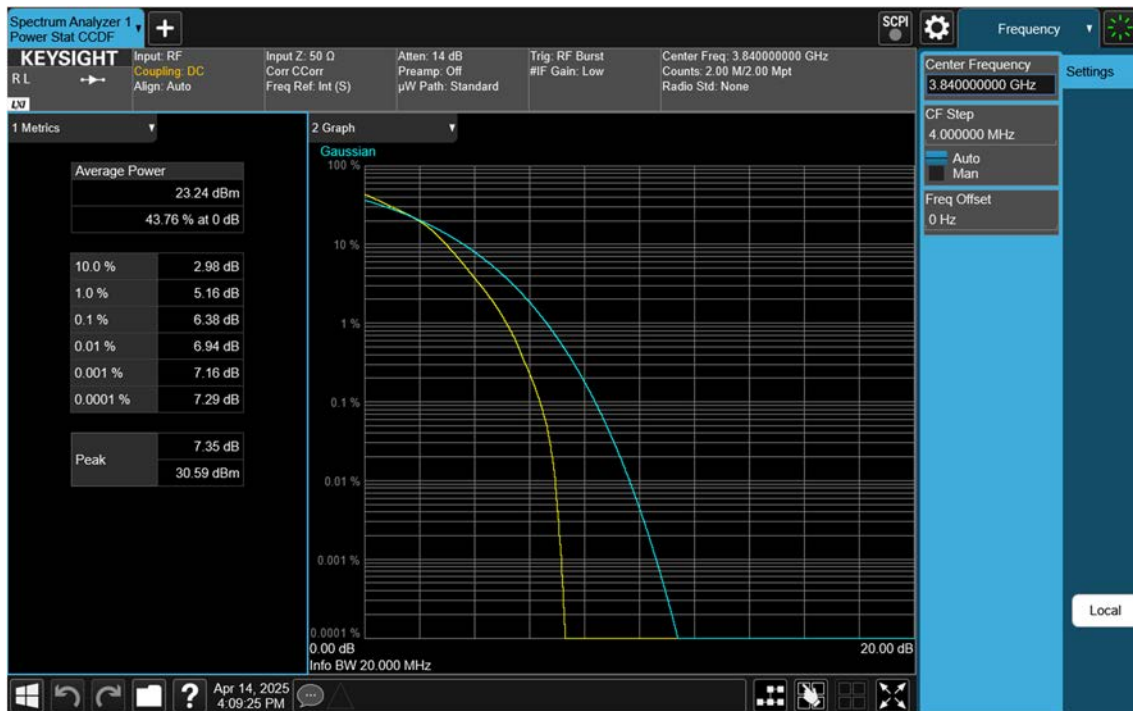
n77(3700~3980 MHz)_20 M_PAR_Mid_BPSK_FullRB



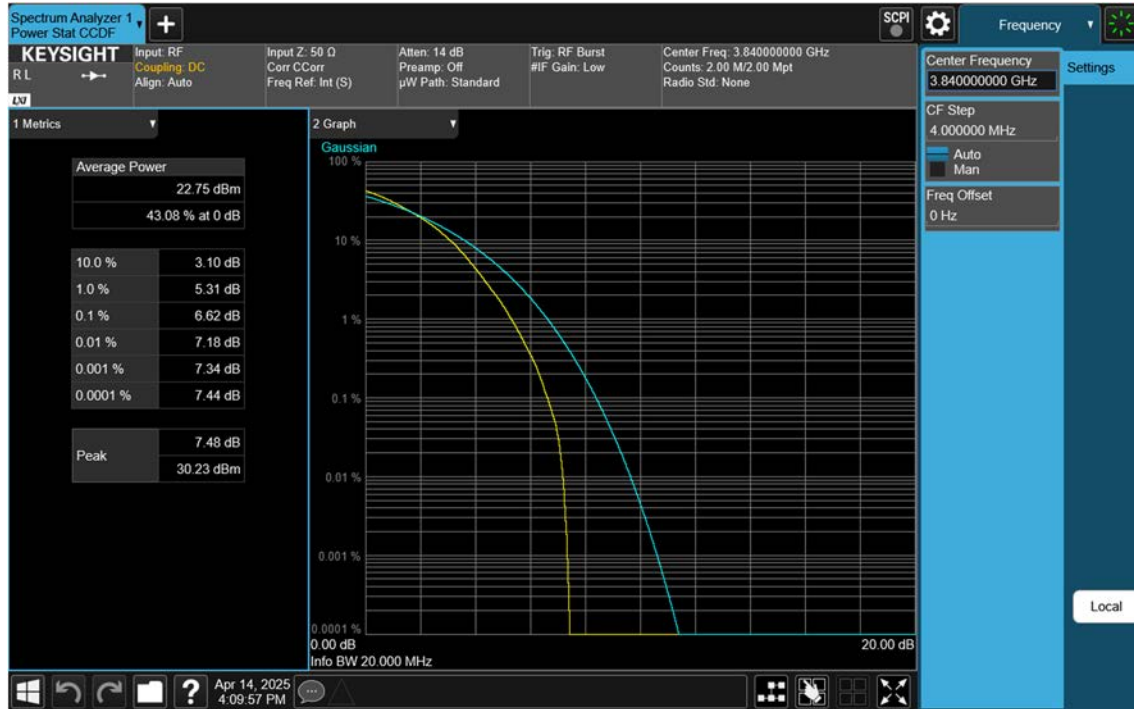
n77(3700~3980 MHz)_20 M_PAR_Mid_QPSK_FullRB



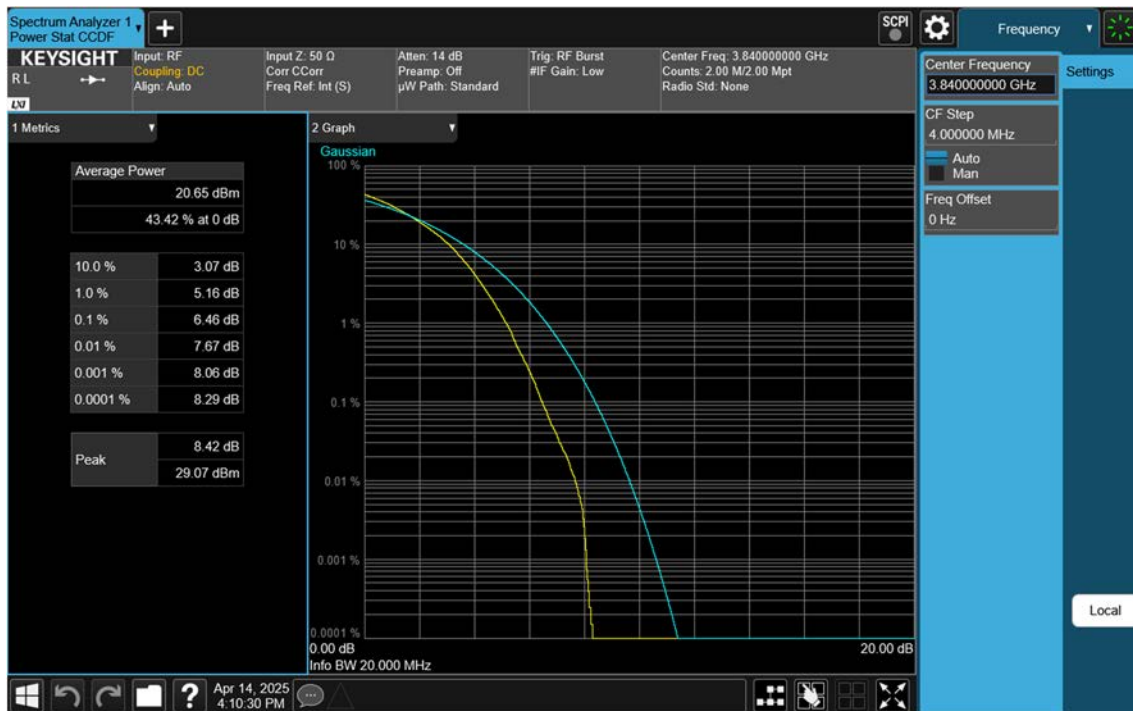
n77(3700~3980 MHz)_20 M_PAR_Mid_16QAM_FullRB



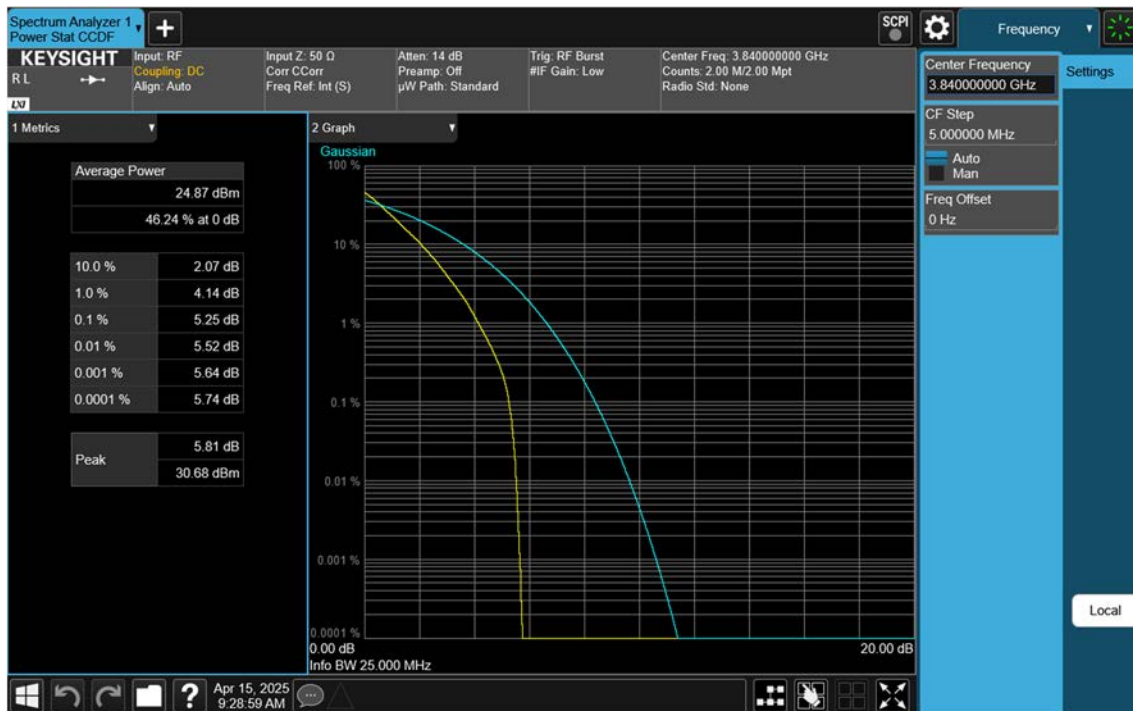
n77(3700~3980 MHz)_20 M_PAR_Mid_64QAM_FullRB



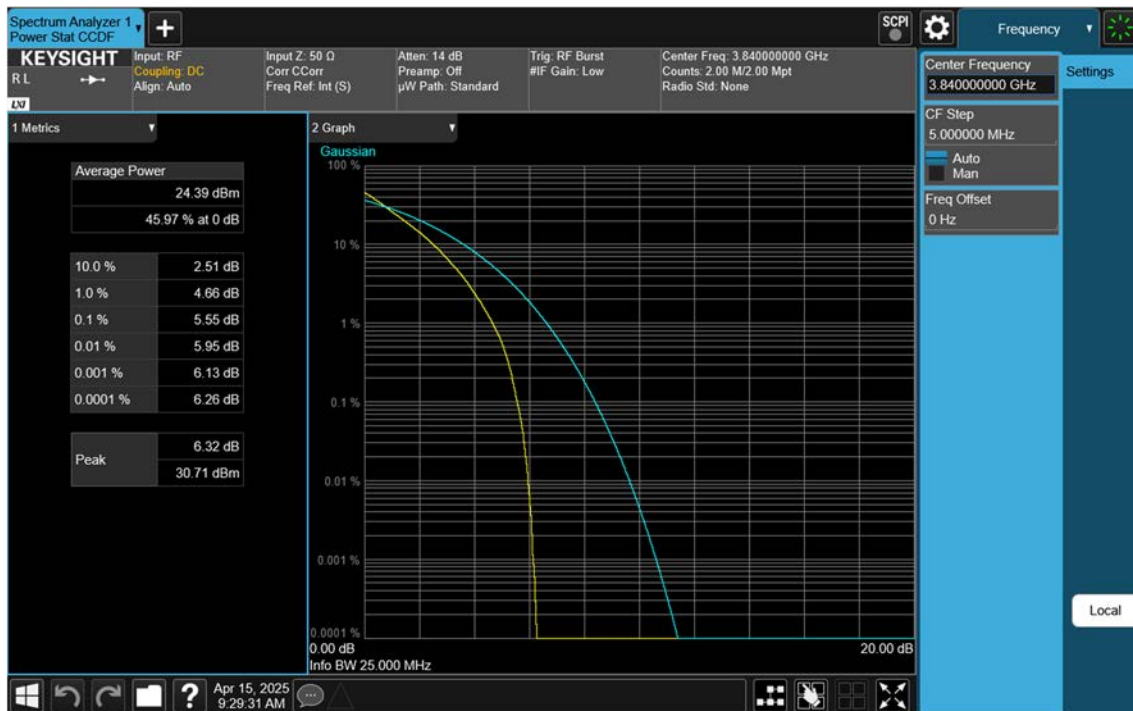
n77(3700~3980 MHz)_20 M_PAR_Mid_256QAM_FullRB



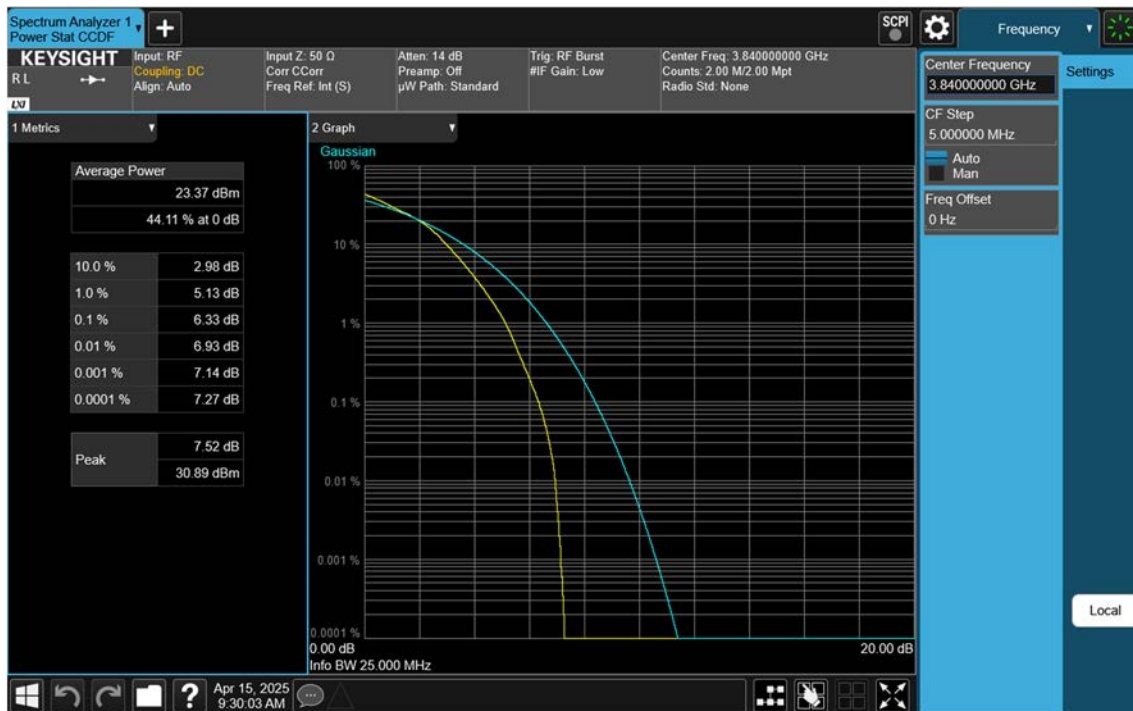
n77(3700~3980 MHz)_25 M_PAR_Mid_BPSK_FullRB



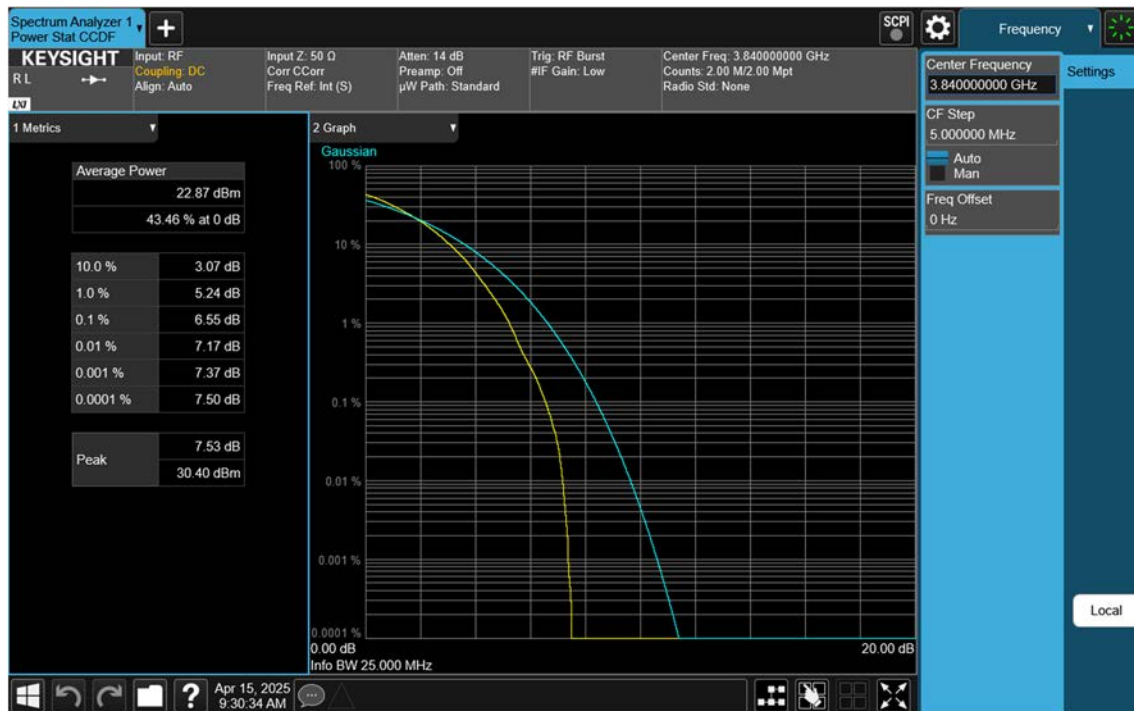
n77(3700~3980 MHz)_25 M_PAR_Mid_QPSK_FullRB



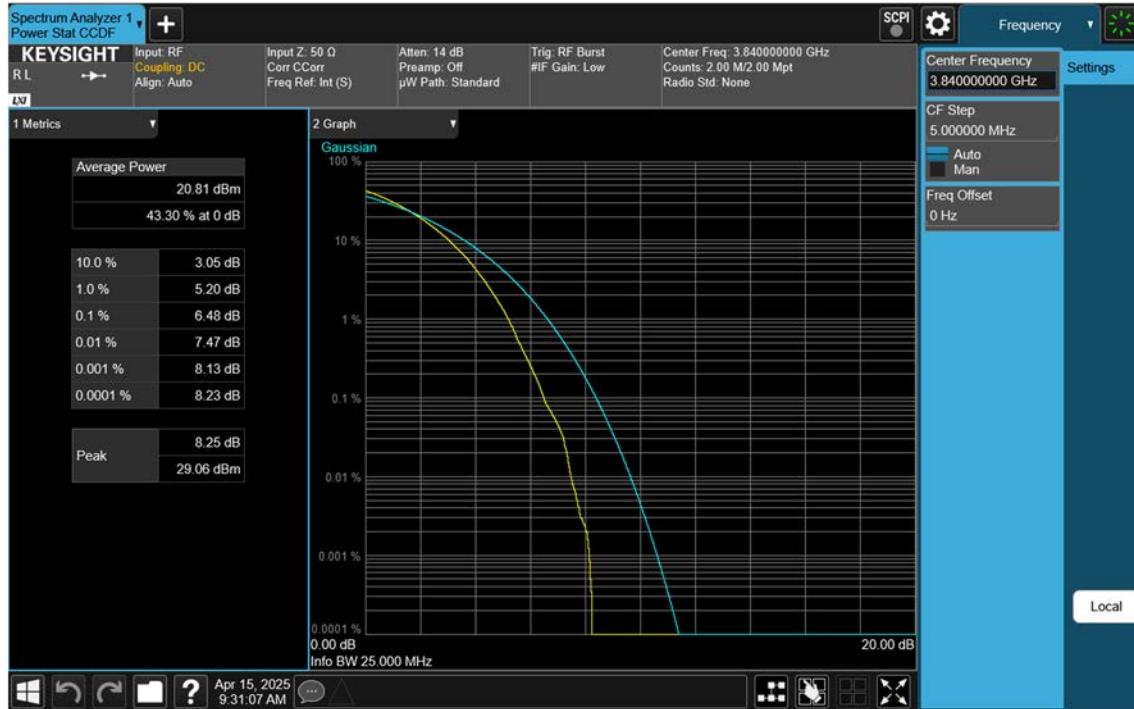
n77(3700~3980 MHz)_25 M_PAR_Mid_16QAM_FullRB



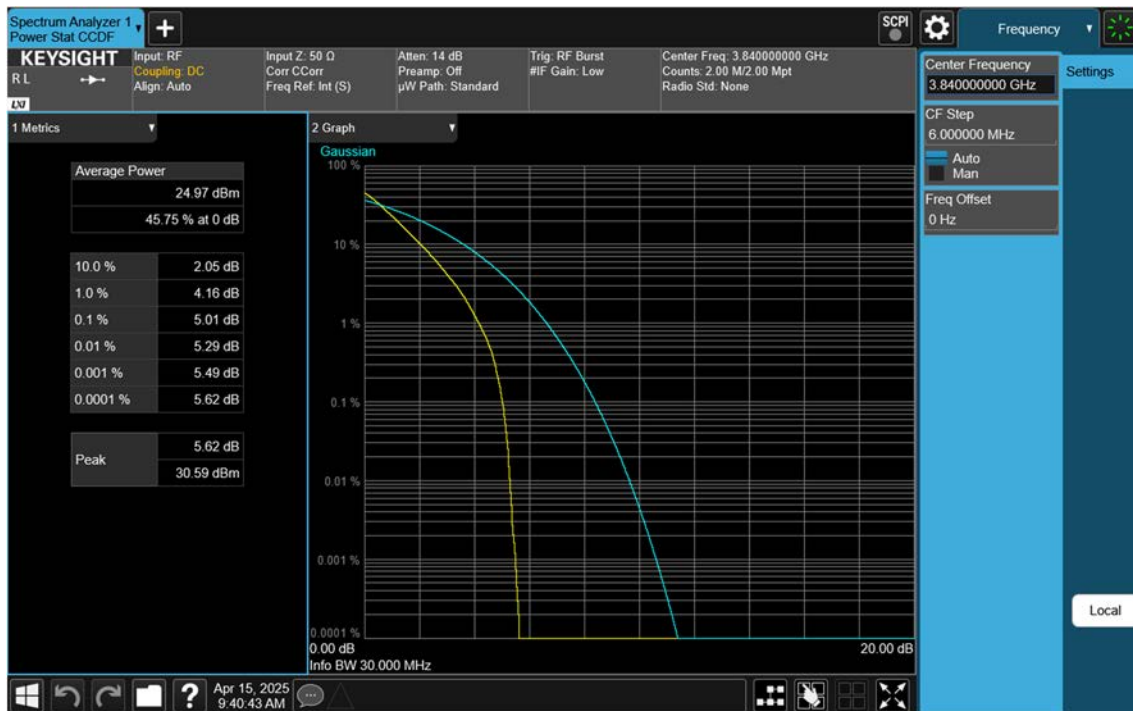
n77(3700~3980 MHz)_25 M_PAR_Mid_64QAM_FullRB



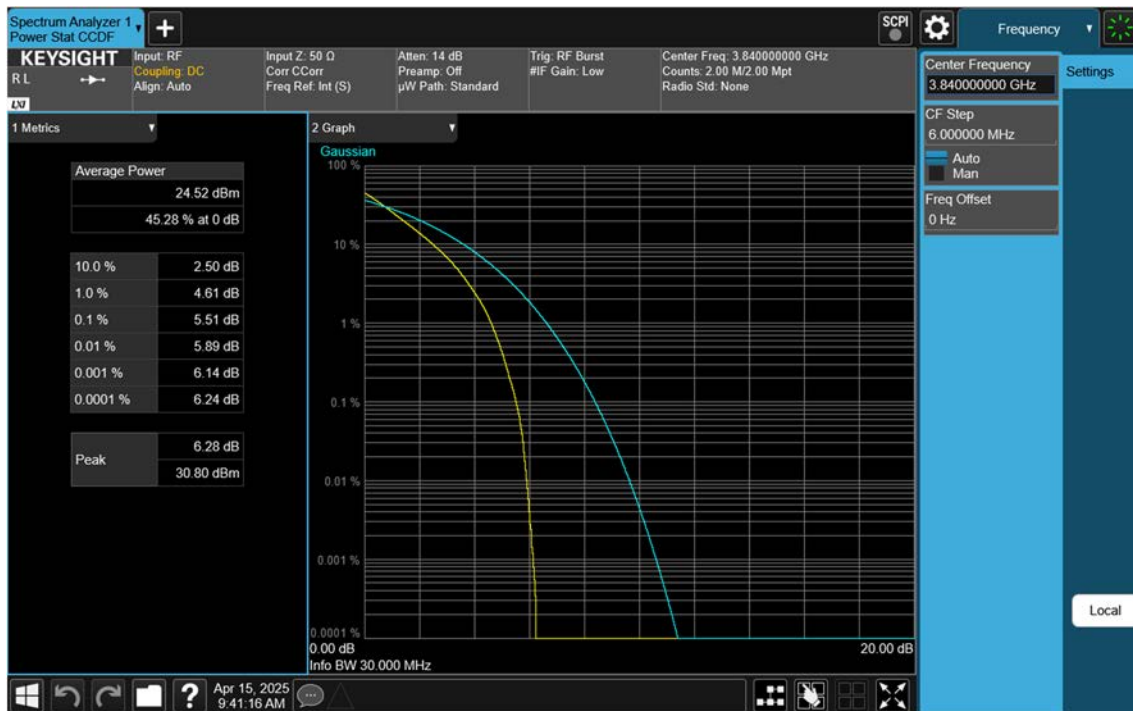
n77(3700~3980 MHz)_25 M_PAR_Mid_256QAM_FullRB



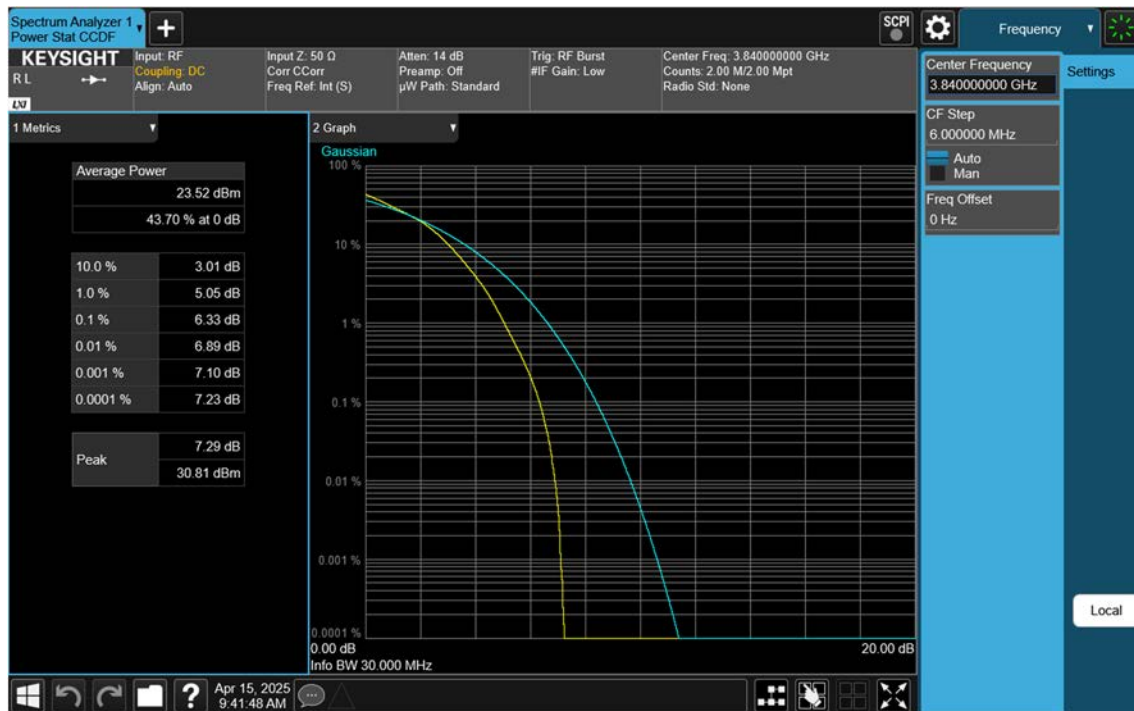
n77(3700~3980 MHz)_30 M_PAR_Mid_BPSK_FullRB



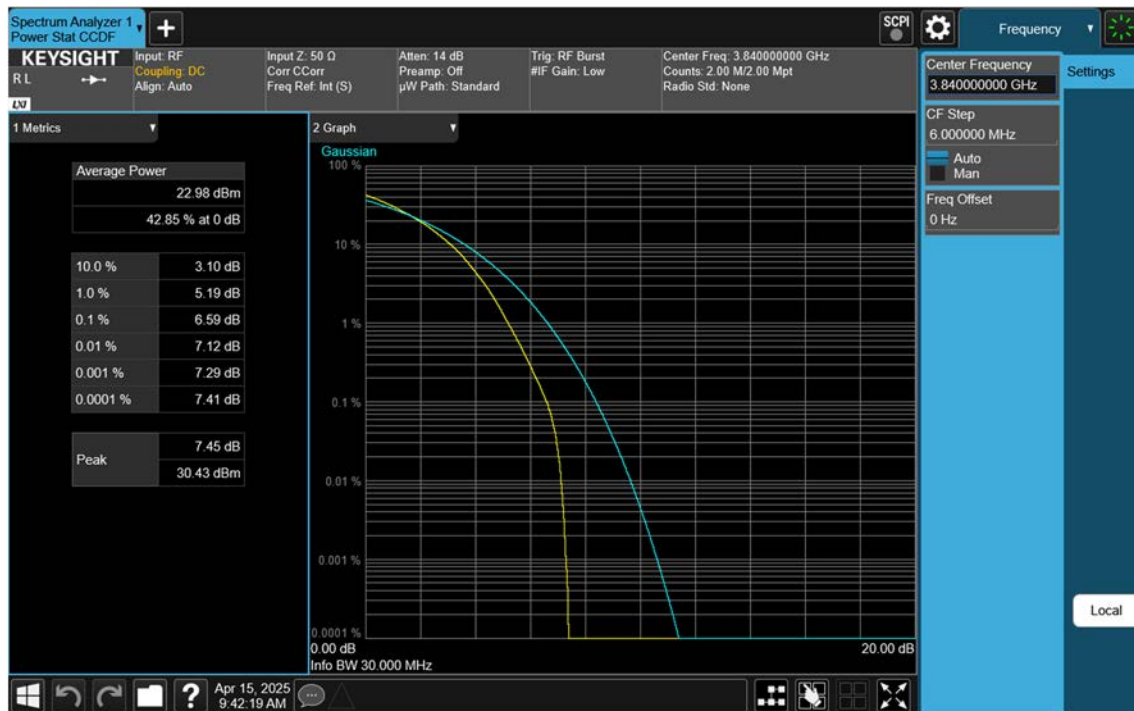
n77(3700~3980 MHz)_30 M_PAR_Mid_QPSK_FullRB



n77(3700~3980 MHz)_30 M_PAR_Mid_16QAM_FullRB



n77(3700~3980 MHz)_30 M_PAR_Mid_64QAM_FullRB



n77(3700~3980 MHz)_30 M_PAR_Mid_256QAM_FullRB

